



Dreambox DM7000S



User's Manual

Digital satellite receiver for free and encrypted DVB-TV Programs
with optional digital hard disk recording.

Communication-Port
PCMCIA-Slot for CI-CA-Modules
Internal hard disk
Compact Flash Slot
LC-Display
2 Smartcard Readers
Linux OS

Rev.1.0_rel.1.07.4_dd_eng

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Notice: The Dreambox DM7000S is CE certified and fulfills all requirements of the EU-Standards.

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Alterations are subject to change without notice. E. & O. E.

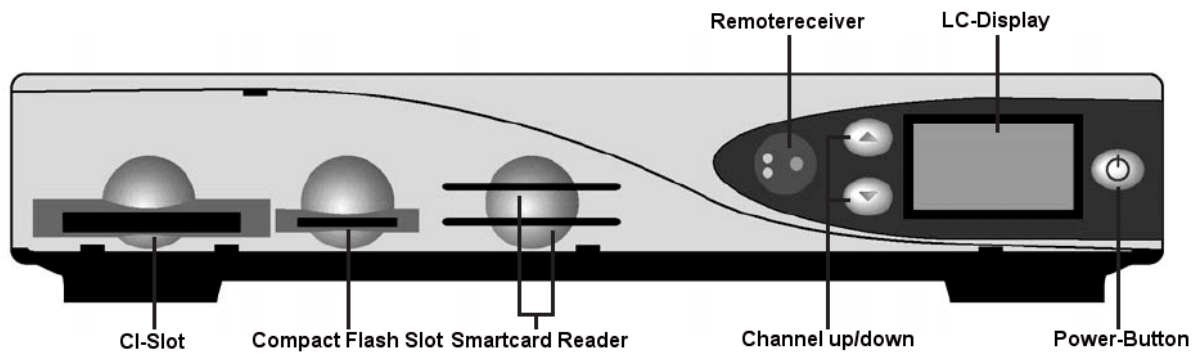
Dream-Multimedia-Tv and Dreambox DM7000S are registered trademarks of

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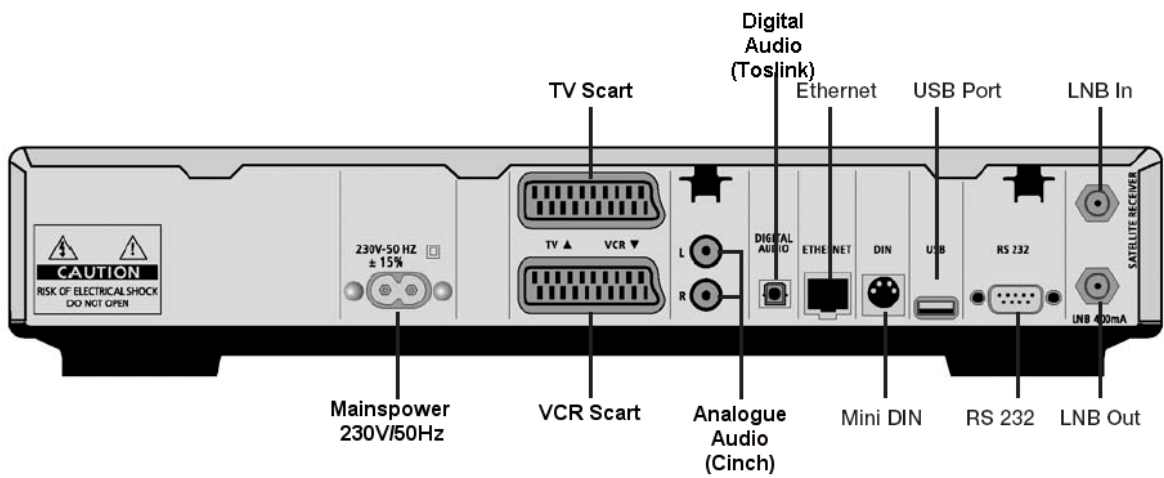
www.dream-multimedia-tv.de

2. Views

Frontview:



Rear view:



3. Description Frontview

3.1. CI-Slot

Plug in here any CI- or CA-Module of your choice.

3.2. Compact Flash Slot

The Compact Flash Slot is mentioned to hold a Compact Flash Module. If you want to use a CF-Module, shut down your Dreambox using the Deep-Standby-Mode. Plug in carefully your CF-Module into the Compact Flash Slot. The CF-Module is recognised by the System as a hard disk, we recommend to disable the internal hard disk for proper usage. Power back on the Dreambox. To access the Compact Flash Module, choose the File-Mode in the OSD-Main menu. Sometimes it is necessary to format your CF-Module via the OSD-Menu.

See passage Hard Disk Setup.

3.3. Smartcard Reader

Plug in your Dreamcrypt Smartcard with the gold chip face downwards and inwards into one of the Smartcard Reader.

Dreamcrypt is a trademark of Dream-Multimedia-Tv GmbH.

3.4. Remotereceiver

The Remote receiver receives the infrared signals from the Dream Remote Control.

3.5. Channel up/down

The channel buttons at the Front of your Dreambox switch the TV or Radio channels up and down. To initialize the "Flash Erase" hold down the channel up button.

See passage Dreambox resetting to factory defaults (flash erase).

3.6. LC-Display

The LC-Display shows all major Information for the selected service.

3.7. Power-Button

The Power-Button turns your Dreambox off and on.

4. Description Rear view

4.1. Mainspower 230V / 50Hz

Plug in the Power cord into the Mainspower socket. The Powerplug remains only in its recommended sockets 230V / 50Hz.

4.2. TV Scart

Connect your TV with an appropriate Scartcable to your Dreambox.

4.3. VCR Scart

Connect your VCR with an appropriate Scartcable to your Dreambox. Remember, the VCR Scart is not designed to record a Videosignal from the VCR.

4.4. HiFi-Amplifier

Connect your HiFi-Amplifier either to the analogue audio R/L (RCA/Cinch) or digital audio (Toslink) socket.

4.5. Analogue Audio (Cinch)

Connect your Dreambox with an appropriate RCA/Cinch cable to your HiFi-Amplifier (e.g. AUX or Tape socket).

4.6. Digital Audio (Toslink)

Connect your Dreambox with an appropriate optical (Toslink) cable to your HiFi-Amplifier or DSP. The Dreambox provides sample rates from 16, 22.05, 24, 32, 44.1, 48 kHz. The AC3 signal is also available at this socket, if the selected channel transmits Dolby Digital signals.

4.7. Communication Port (Ethernet 10/100MBit, RJ45)

The Communication Port is an Ethernet socket. Used to communicate with the Dreambox via HTTP, FTP, NFS, Telnet und Samba to access your recorded movies or to upload channel lists. This socket is also mentioned to update the Operation system. Please connect an appropriate patchcable. See passage DreamUp - Software upgrade.

4.8. Mini DIN

The Mini DIN Port is mentioned for external I2C Rotorsignals and provides Signals for external IR Devices.

4.9. USB Port

The USB Port is designed for USB 1.2 compatible Devices. The amount of provided USB devices depends on the installed image (Software) and is still under Development.

4.10. Serial Port (RS232C, Sub-D, 9-pin)

The Serial Port is mentioned to update the Operation system. Please connect a serial nullmodem cable here. See passage DreamUp - Software upgrade.

4.11. LNB In

Connect the coaxial cable from your LNB here. Please switch the power off from the the Dreambox first.

4.12. LNB Out

Connect an analogue receiver here. Remember to shutdown your Dreambox into Deep-Standby-Mode, if you wish to view analogue TV.

5. Safety instructions

Please read the safety instructions completely and carefully, before using the Dreambox. The Manufacturer takes no responsibility of incorrect handling of the Dreambox.

- Allow enough space around the Dreambox for sufficient ventilation.
- Do not cover the Dreambox's ventilation openings with items such as newspapers, tablecloths, curtains etc.
- Do not expose the Dreambox to dripping or splashing liquids.
- Do not place naked flame sources, such as lighted candles, on the Dreambox.
- Do not place any objects filled with liquids, such as vases, on the Dreambox.
- Do not connect or modify cables when the Dreambox is plugged in.
- Do not remove the cover. Risk of electric shock!
- Do not stick any metallic items into the slots or ventilation openings.
- The installation of a hard disk is only allowed by skilled personal or your local dealer.
- Please note that the only way to isolate the Dreambox completely from the mains power supply is to unplug the mains powercord!
- If you do not use your Dreambox for a longer time, please disconnect it from the mains power.
- Please disconnect your Dreambox from the mains power during thunder or heavy storms.
- Connecting to the dish (LNB):
Disconnect the mains powercord before connecting or disconnecting the coaxial cable.
- Connecting to the TV or VCR:
Disconnect the mains powercord before connecting or disconnecting the scartcable.
- Disconnect the mains powercord if the powercord is damaged.
- Disconnect the mains powercord if the Dreambox gets in contact with moisture or moisture has penetrated inside.
- Disconnect the mains powercord if you see any damage to the casing.
- Grounding:
The dish must be grounded.
The grounding system must match SABS 061.
- Cleaning:
Disconnect the mains powercord before cleaning the cover. Use a slightly damp cloth without cleaning agents.
- Connect the Dreambox only to suitable sockets 230V/50Hz. Do not allow overloads to occur.

WARNING!

Modifications and changes to the Dreambox leads to loss of warranty.

We recommend the installation of a hard disk by your local dealer.

Unskilled installation of a hard disk leads to loss of warranty.

6. Delivering

The box of your DM7000S should contain the following items:

- 1 receiver Dreambox 7000S
- 1 powercord
- 1 remote control
- 1 user's manual (newest release @ <http://www.dream-multimedia-tv.de>)
- 2 batteries (1,5V Mignon / AA / LR6)
- 2 hard disk mounting racks (are premounted)
- 1 IDE cable
- 1 molex powercord for the hard disk

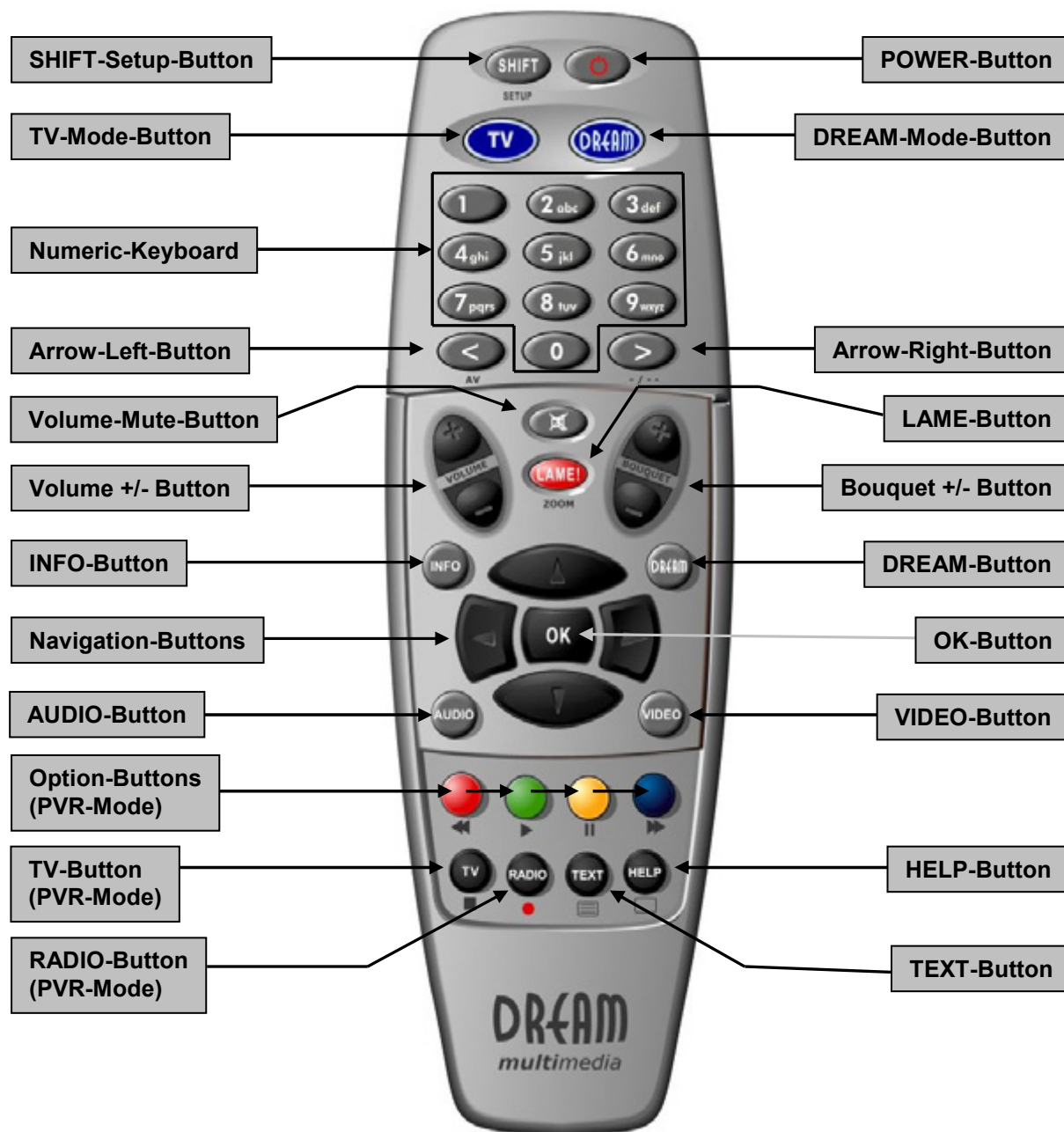
optional parts:

- 1 wireless keyboard

7. Installation

- Insert 2 AA (1,5V) batteries, taking care to observe the + and - markings indicated inside, into the Remote Control.
- Before using the Dreambox, please read the safety instructions.
- Connect the LNB with an appropriate coaxial cable to LNB In at your Dreambox.
- Connect the Dreambox with an appropriate scart cable to your television screen.
- Plug in the mains powercord into the mains power socket 230V/50Hz.
- If you are using a switchable power socket please shutdown your Dreambox into deep standby before switching off the power socket.
- If you turn on your Dreambox for the first time, you will see the setup wizzard. The setup wizzard will guide you through the first time installation. You will be asked for your tv norm, the regional settings and your language. Please choose and follow the instructions on the screen.
- Please notice that the videoformat is set by default to CVBS (FBAS).
See passage A/V Settings.

8. Remote Control Overview



9. Important Notes about Condition

All Functions of the Dreambox will be controlled via an OSD-Menu (On-Screen-Display). This makes the Condition of the Dreambox very easy for you. Possible Options are assigned by four coloured dots or beams (red, green, yellow, blue) in the OSD-Menu and are activatable with the Option-Buttons on the Remote Control.

Depending on the chosen Menu, the Options do change and are explained via the Help-Button on the Remote Control.

The Option-Buttons are assigned with more than one Function. As you can see, under the Option-Buttons, TV-Button and RADIO-Button, are Symbols. These Symbols are for the Condition in the PVR-Mode (Private Video Recording). To activate or deactivate the PVR-Mode press the VIDEO-Button. You will notice, that the Infobar changes its appearance. You will find more Information about recording at passage Recording a movie (spontaneous recording)



All Menus and Servicelists are closed with the LAME-Button.



The LAME-Button is similar to the EXIT function.

The Condition of the OSD-Menus will be performed with the Navigation-Buttons on your Remote Control.

Navigation-Buttons



If you want to enter a Menu press the OK-Button.

10. Remote Control Description

SHIFT-Setup-Button

This Button is used to program the Remote Control for a TV Device.
See Passage Setup-TV-Mode

POWER-Button

This Button switches your Dreambox on or off.
See passage Dreambox switching on / off.

TV-Mode-Button

This Button turns the Remote Control into TV-Mode. The TV-Mode-Button flashes shortly, if you press this or any other Button in this Mode. The Remote Control controls now your TV.

DREAM-Mode-Button

This Button turns the Remote Control into Dream-Mode. The Dream-Mode-Button flashes shortly, if you press this or any other Button in this Mode. The Remote Control now controls the Dreambox.

Numeric-Keybaord

Enter a Service number direktly over the Numeric-Keybaord. The Service numbers are on the left Side of the Servicelist.

In the OSD-Mainmenu are numbers shown in front of the Option or Function, in this case you can enter the desired number to access the Option or Function directly without moving the Cursorbeam to it.

Arrow-Left-Button

Arrow-Right-Button

These Buttons enable to jump back- or forwards through the Playlist. The Playlist contains the last chosen Services and Movies, that have been selected.

Once having opened the Servicelist, you are able to jump at the Beginning or the End of the Servicelist or to the next Marker.

Volume-Mute-Button

This Button mutes the Volume. A crossed Speaker Symbol will appear on the TV Screen. Pressing it again or the Volume +/- Buttons, brings the Audio back.

LAME-Button

This Button exits all Menus and aborts Operations. It's the same as EXIT.

Volume +/- Button

These Buttons increase (+) or decrease (-) the volume.

Bouquet +/- Button

These Buttons switch through the Bouquets forwards (+) and backwards (-).

INFO-Button

This Button shows the EPG Informations. Pressing this Button twice, shows the Streaminformation-Menu.

Navigation-Buttons

These Buttons control the Cursor beam inside the Menus to reach the desired Option or Function.

OK-Button

This Button shows the Infobar if no OSD-Menu is shown. This button enters a chosen OSD-Menu Option or Function.

DREAM-Button

This Button shows the OSD-Mainmenu. If a Servicelist is opened, press this Button to enter the Service-Menu.

AUDIO-Button

The AUDIO-Button shows the available Audio-Tracks of the selected Service.

VIDEO-Button

This Button activates or deactivates the PVR-Mode. By pressing this Button a couple of times, if a Servicelist is opened, it changes the View of the Servicelist.

Option-Buttons

These Buttons activate the shown Options. They also control the PVR functions in PVR-Mode.

TV-Button

This Button activates the TV-Mode. It also keeps the Stop-Funktion in PVR-Mode.

HELP-Button

This Button brings up the Help menu.

RADIO-Button

This Button activates the RADIO-Mode. It also keeps the Record-Function in PVR-Mode.

TEXT-Button

This Button activates the Teletext - Software Decoder. If a Servicelist is opened, this Button jumps directly to the File-Mode.

11. Dreambox switching on / off

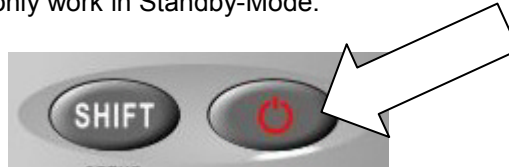
Use the Power-Button to switch the Dreambox on or off. The Dreambox has two different Standby-Modes. A Standby-Mode and a Deep-Standby-Mode. Unplug the Mains powercord to make the Dreambox completely powerless.

The Power-Button only works if no OSD-Menu is shown on the TV screen!

Press the Power-Button once to switch the Dreambox into Standby-Mode. The actual Time appears on the LC-Display.

Press the Power-Button for at least 5 seconds, to shut down the Dreambox into Deep-Standby-Mode, or choose in the OSD-Mainmenu the option (9) Shutdown. All settings will be saved.

Attention: Timer and Sleptimer only work in Standby-Mode.



Press the Power-Button for at least 3 seconds. The Shutdown / Standby Menu appears.



Use the Navigation-Buttons up and down to choose an option. Press the OK-Button to activate.

shutdown now:

The Dreambox shuts down into Deep-Standby-Mode. The LC-Display shows no information.

restart:

The Dreambox restarts the Operationsystem.

goto standby:

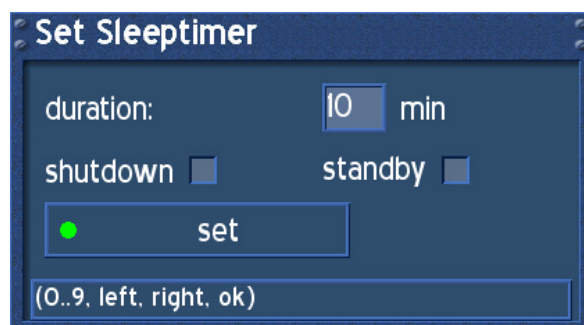
The Dreambox shuts down into Standby-Mode. The LC-Display shows the actual Time.

set sleeptimer:

See passage Sleptimer.

12. Sleptimer

Press the Power-Button for at least 3 seconds, select "set sleeptimer" to enter this menu.



Define a max. duration of 240 minutes. Define if the Dreambox should shutdown or should go into standby by setting a check into one of the checkboxes beside shutdown and standby with the OK-Button.

Press the green Option-Button to set Sleptimer.

13. OSD-Mainmenu

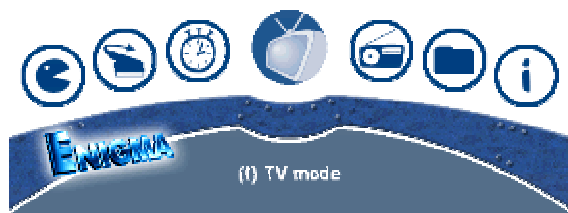
If no OSD-Menu is shown on the tv screen, the DREAM-Button enters the OSD-Mainmenu.

Through this OSD-Mainmenu it is possible to activate the main options and functions. Use either the Navigation-Buttons followed by the OK-Button or press the desired number to enter the Option or Function.

To change the view of the OSD-Mainmenu go to (6) Setup -> (3) System Settings -> (4) OSD Settings and check the checkbox "Show Mainmenu like Listbox". Exit all menus and reenter the OSD-Mainmenu.

- (1) TV Mode
- (2) Radio Mode
- (3) File Mode
- (4) Information
- (5) Shutdown
- (6) Setup
- (7) Games
- (8) VCR
- (9) Timer

1. TV Mode
2. Radio Mode
3. File Mode
4. VCR
5. Timer
6. Setup
7. Games
8. Information
9. Shutdown



14. Infobar

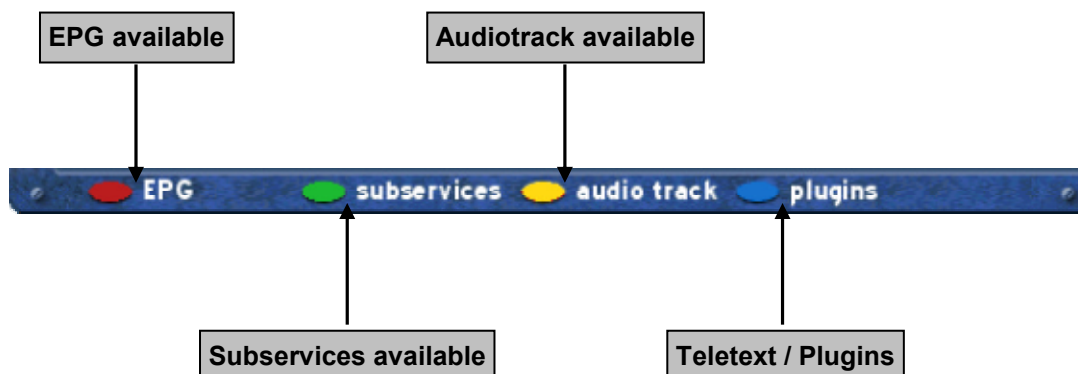
The Infobar appears and disappears by pressing the OK-Button once, if no OSD-Menu is shown on your tv screen. The Infobar shows all necessary Information about the selected Service.



„**Crypted**“ appears orange, if the transmitted Service is crypted.

„**Aspect Ratio**“ appears orange, if the Service is transmitted in 16:9, the usual Aspect Ratio is 4:3.

„**Dolby Digital Program**“ appears orange, if the Service is transmitted with Dolby Digital Audiostream.



Attention: During activated PVR-Mode, the Option-Buttons control the PVR-Functions. See passage Record a movie (spontaneous recording).

14.1. Infobar - EPG (Electronic Program Guide)

The red dot in the Infobar appears if the selected program transmits EPG informations.

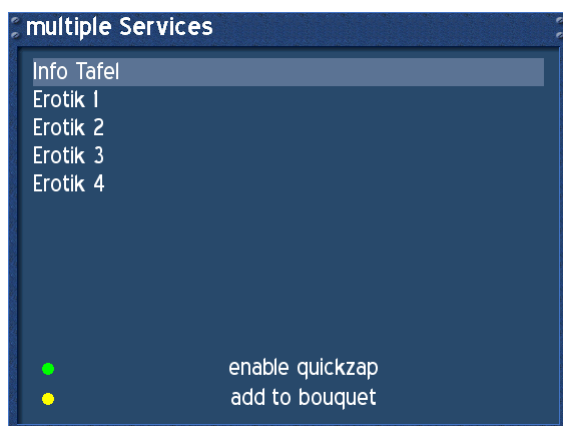


Press the red Option-Button to enter the EPG.

Press the OK-Button to view detailed Information.
Press the LAME-Button to exit this menu.

14.2. Infobar - Subservices

The green dot in the Infobar appears if the selected program provides Subservices.



Press the green Option-Button to enter the menu „multiple services“.

Use the Navigation-Buttons up and down to choose a service. Press the OK-Button to enter the service.

enable quickzap:

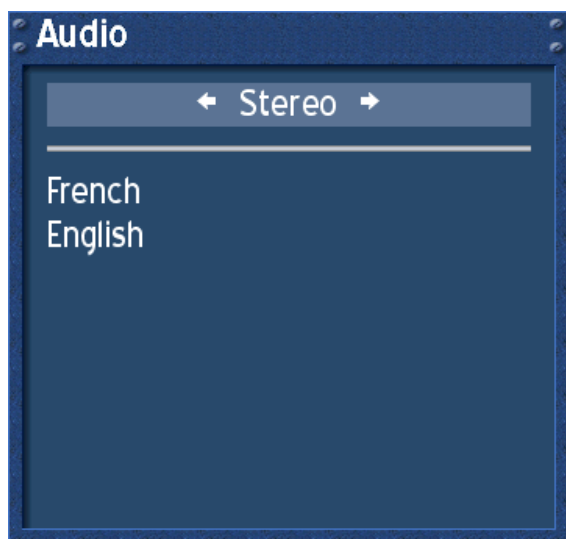
Press the green Option-Button to enable the quickzap mode. You can now choose a multiple Service using the Navigation-Buttons left or right without entering this menu. Press the green Option-Button to bring up this menu and press the green Option-Button again to deactivate the quickzap mode.

add to bouquet:

Press the yellow Option-Button to add the selected Service to a Bouquet of your choice. See passage Service Organising.

14.3. Infobar - Audio Track

The yellow dot in the Infobar appears if the selected Service transmits multiple Audio-Tracks.

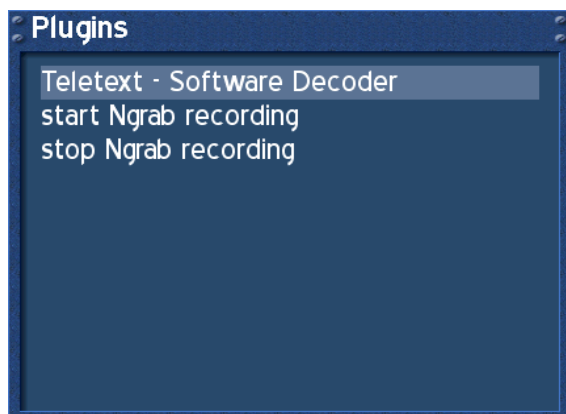


Use the Navigation-Buttons left or right to choose the different Audio-Modes, Left-Mono, Stereo, Right-Mono. Press the OK-Button to activate.

Use the Navigation-Buttons up or down to choose another Audio-Language. Press the OK-Button to activate.

14.4. Infobar - Plugins

The blue dot in the Infobar appears permanently



Use the Navigation-Buttons up or down to choose a Plugin. Press the OK-Button to activate.

Teletext - Software Decoder:

This Option activates the Teletext - Software Decoder. See passage Teletext - Software Decoder (TuxText) activating.

start/stop Ngrab recording:

These Functions are still under development. They are used to record a Service over the Network.

15. Setup - OSD Language

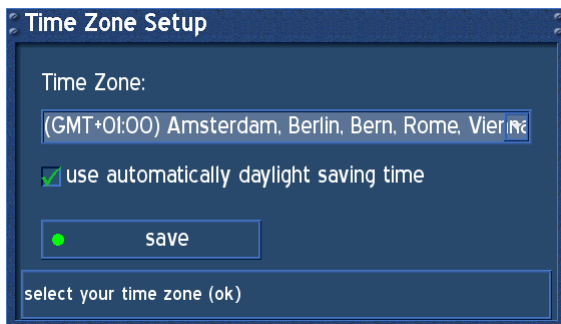
Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (3) System Settings -> (5) OSD Language.



Use the Navigation-Buttons up or down to choose your language. Press the OK-Button to activate. Exit all menus and reenter.

16. Setup - Time Zone

Press the DREAM-Button to enter the OSD-Main menu.
Go to (6) Setup -> (3) System Settings -> (1) Time Settings -> (1) Timezone Configuration.



Press the OK-Button to open the Dropdownlist. Use the Navigation-Buttons up or down to search for your Time Zone. Press the OK-Button to select.

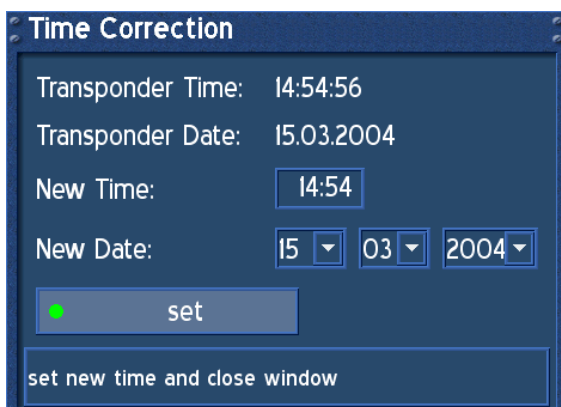
use automatically daylight saving time:

Check or uncheck the Checkbox with the OK-Button. If checked, the Time will be automatically adjusted for daylight saving changes.

Press the green Option-Button to save.

17. Setup - Time Correction

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (3) System Settings -> (1) Time Settings -> (2) Time Correction.



When entering this menu, please wait a second. The Dreambox tries to get the actual Time. The Transponder Time and Date will be automatically updated.

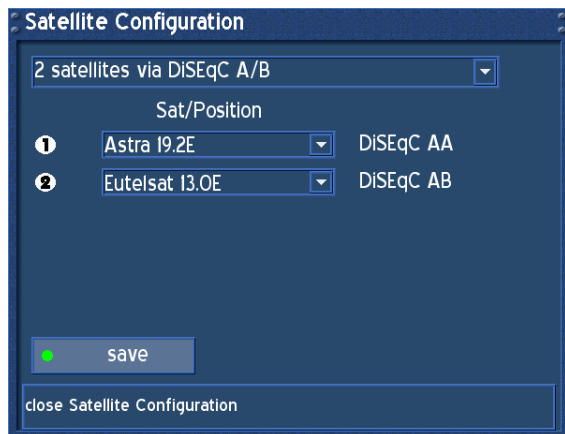
If this fails, enter the new Time and Date manually.

Press the green Option-Button to set the new Time and Date.

18. Satellite Configuration

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (2) Service Searching -> (1) Satellite Configuration.



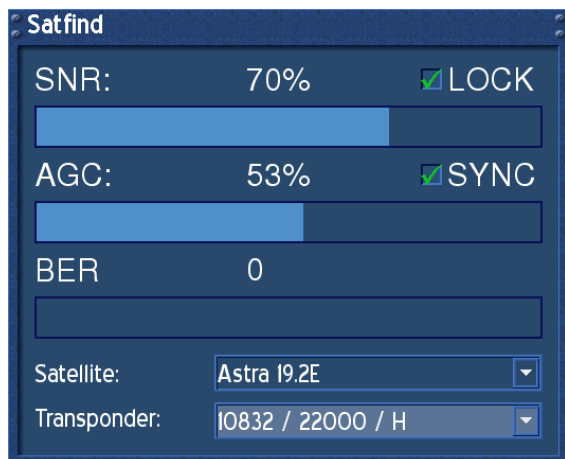
Navigate to the upper Dropdownlist and choose your appropriate Satellite Configuration and press the OK-Button. Choose your Satellites the Dish is adjusted to and press the green Option-Button to save configuration.

This Configuration might differ from yours.

19. Satfind

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (2) Service Searching -> (2) Satfind.



Choose from the lower Dropdownlists your preferred satellite and transponder.

Adjust the Dish towards the desired satellite until you have a high value on the Signal strength AGC and on the Signal quality SNR indicator. The BER should always indicate a value of zero if the Satellite is locked and synced.

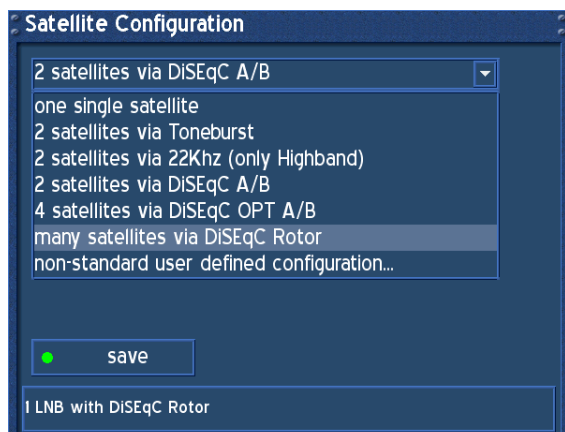
SNR: Signal to Noise Ratio
This Indicator shows the Quality of the Signal.

AGC: Automatic Gain Control
This Indicator shows the Strength of the Signal.

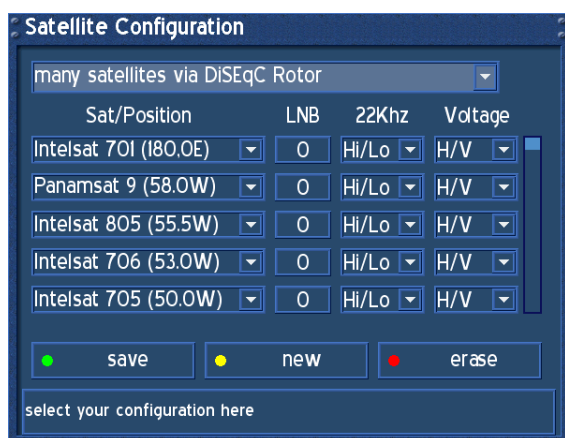
BER: Bit Error Rate
This Indicator shows the Errors Rate of the Signal.

20. Motor Setup

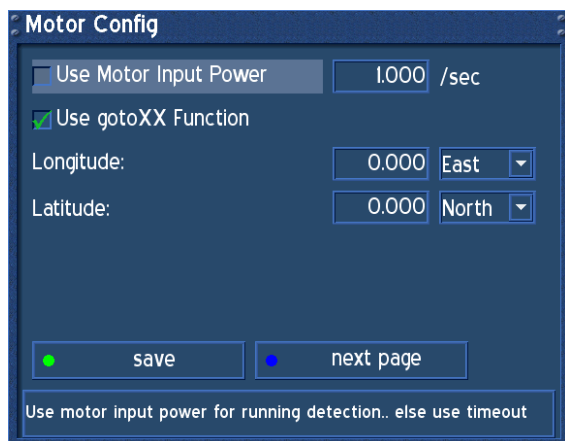
Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (2) Service Searching -> (3) Motor Setup.



Before proceeding with the Motor Setup refer to passage Satellite Configuration and choose from the upper Dropdownlist “many satellites via DiSEqC Rotor” and press the OK-Button, if you setup a Motor for the first time.



All possible satellites will be listed. Press the green Option-Button to save this configuration.



After saving the Configuration, choose (3) Motor Setup from the Menu Service Searching and press the OK-Button. The Menu Motor Config appears.

Refer to the Rotors Manual for correct values degrees/second. If unsure, set a check in front of “Use Motor Input Power” and enter the maximum current the Motor is using for turning to the Dish.

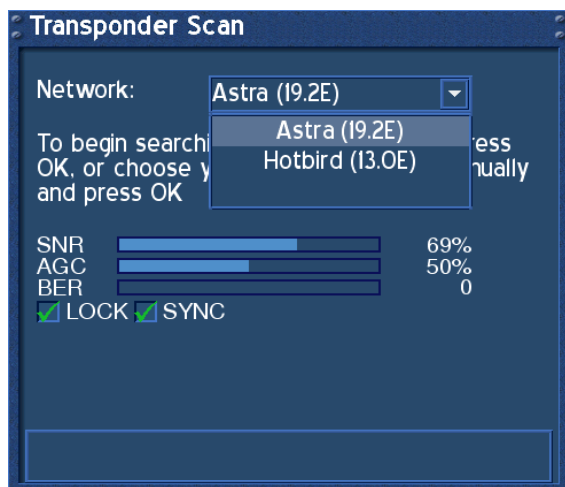
Visit the Website <http://www.heavens-above.com> to figure out your geographical location. Enter the values for Longitude and Latitude and press the green Option-Button to save.

Proceed to passage Automatic Multisat Scan.

21. Automatic Transponder Scan

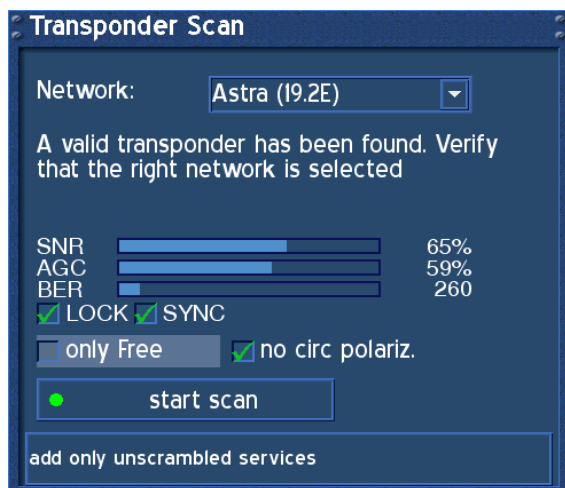
Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (2) Service Searching -> (5) Automatic Transponder Scan.



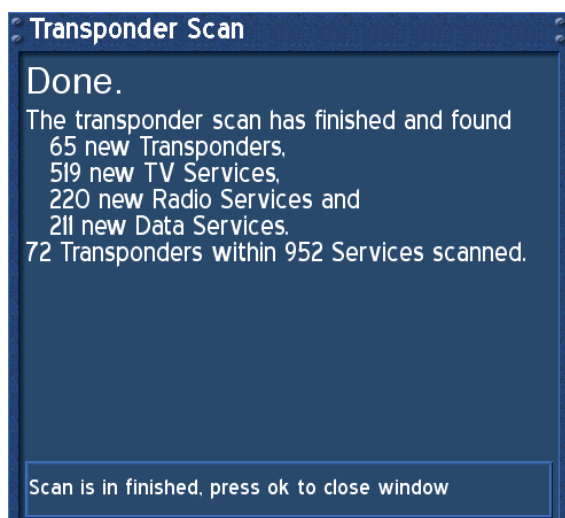
The Automatic Transponder Scan scans one satellite after one which is configured.

Select the first satellite to scan and press the OK-Button.



Now choose to scan only Free services or not by setting a check or not. If your LNB is not a C-Band LNB, then let the check in the Checkbox in front of "no circ polariz."

Press the green Option-Button to start scan.



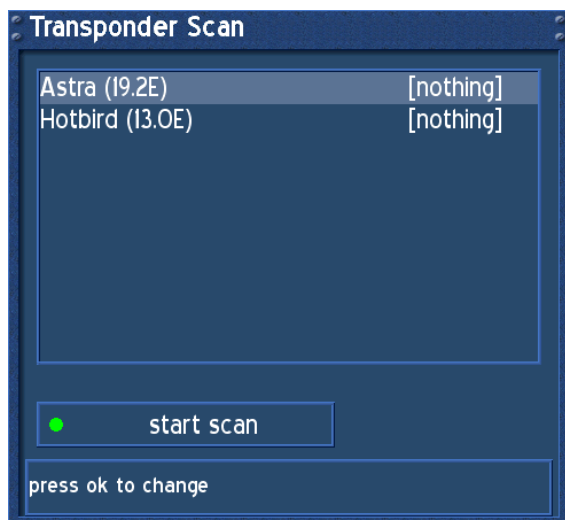
This window appears after scanning the satellite.

Press the OK-Button to proceed to the next satellite scan.

22. Automatic Multisat Scan

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (2) Service Searching -> (6) Automatic Multi Scan.



The Automatic Multisat Scan is recommended for scanning all configured satellites at once.

By pressing the OK-Button on each satellite a couple of times, you set the scan method.

First: nothing, satellite will not be scanned

Second: all, services will be scanned

Third: only free, services will be scanned

Fourth: nothing, again

Press the green Option-Button to start scan.



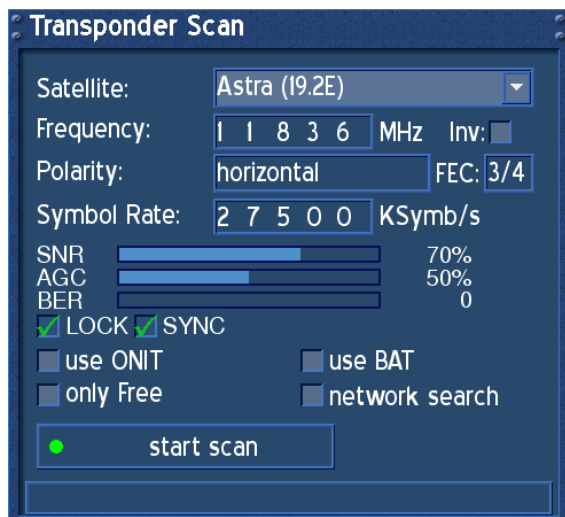
This window appears after scanning the satellites.

Press the OK-Button and answer no to the next question.

23. Manual Transponder Scan

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (2) Service Searching -> (7) Manual Transponder Scan.



The Manual Transponder Scan is recommended for scanning a specific Transponder that has not been found during Automatic Transponder Scan. New services will be added to the Servicelist.

Press the OK-Button on the upper Dropdownlist and choose the appropriate Satellite, press the OK-Button again to select.

Type in the correct Transponder Values in its fields.

Press the green Option-Button to start scan.

The scan results will be shown in the next window.

24. Transponder Edit

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (2) Service Searching -> (4) Transponder Edit.



This Menu keeps all known satellites the Dreambox scans for. If you recognize a missing satellite, add or edit the satellite.

Pressing the OK-Button on the sat-button, enters the Satellite Edit Menu.

Pressing the OK-Button on the add-button, adds a new frequency to the selected satellite.

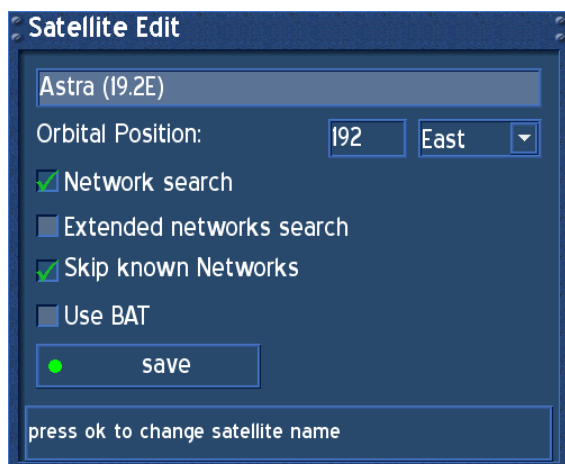
Pressing the OK-Button on the edit-button, edits the Transponder Values for the selected satellite.

Pressing the OK-Button on the remove-button, removes a transponder frequency from the selected satellite.

Pressing the green Option-Button adds a new satellite.

Pressing the red Option-Button deletes a satellite.

Follow the Instructions on the Statusbar.



Network search:

The NIT holds the Information about the Satellites and the TV/Radio- Programs.
(NIT = Network Information Table)

Extended network search:

Set a check to scan the NIT from other Transponders

Skip known Networks:

Unchecking this, decreases the satscan. The NIT will not be used.

Use BAT:

Bouquet Tables of the Provider will be used, if available.
(BAT = Bouquet Association Table)

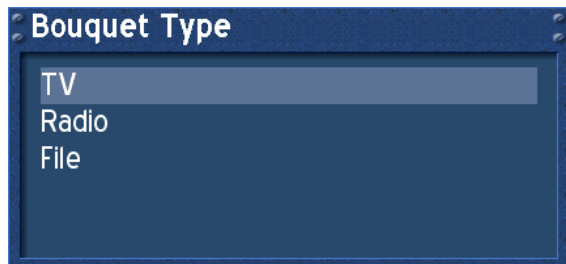
Press the green Option-Button to save.

25. Service Organising - Create new Bouquet

The Bouquets are used to save your favorite services from the Main Servicelist into one simple bouquet. You can either add a TV, Radio or a File Bouquet. In this example we only describe creating a TV Bouquet, because its always the same procedure.

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (1) Service Organising -> (1) Create new Bouquet.



This Menu shows the Bouquet Types, the Dreambox allows you to add.

Select TV and press the OK-Button.



Enter a name of your choice with the Numeric-Keyboard on your Remote-Control.

Press the yellow Option-Button for lower or uppercase letters.

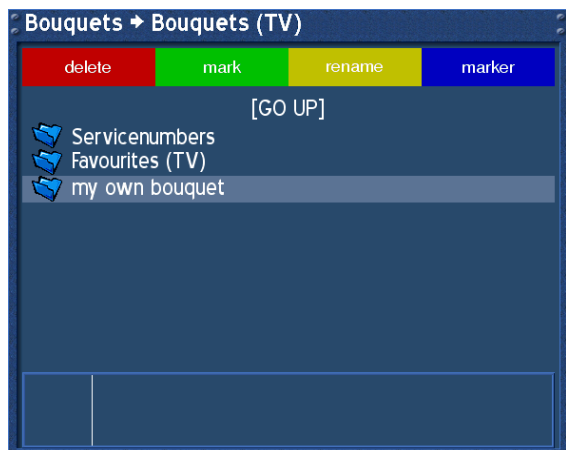
Press the blue Option-Button for numerics or letters to come first.

Press the Volume + Button to insert a letter or space.

Press the Volume - Button to remove a letter or space.

Press the OK-Button to save.

The System will guide you back to the Menu Service Organising.



To verify your created Bouquet, choose (3) Edit Bouquets from the Menu Service Organising and press the OK-Button. Choose from the next Menu Bouquets, Bouquets (TV) and press the OK-Button.

The Bouquet has been created.

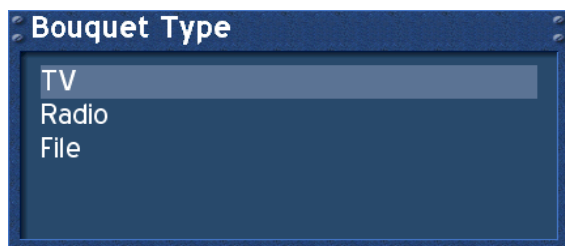
Press the LAME-Button to exit.

The System will guide you back to the Menu Service Organising.

26. Service Organising - Add services to Bouquet

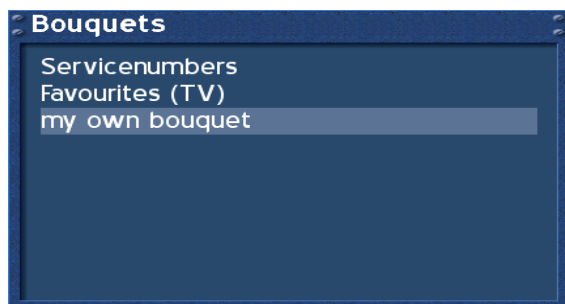
Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (1) Service Organising -> (2) Add services to Bouquet.



This Menu shows the Bouquet Types, the Dreambox allows you to add services to.

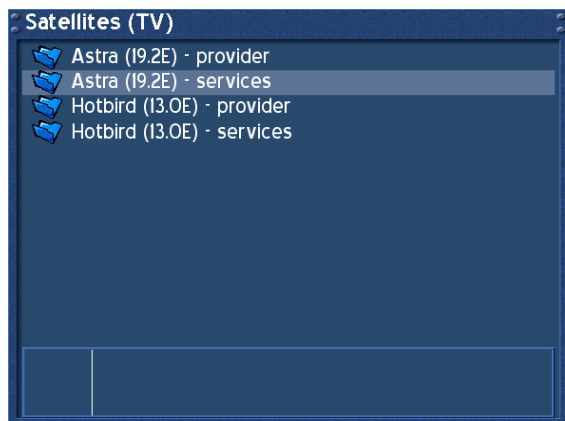
Select TV and press the OK-Button.



This Menu shows the System default Bouquets, Servicenumbers and Favorites (TV).

The Bouquet "my own bouquet" has been created one passage before.

Navigate to the created Bouquet and press the OK-Button.



This Menu shows all configured satellites.

You can either add services from the Provider list or add a service from the Serviceslist.

In our example we choose Astra (19.2E) - services to collect some services to add.

Navigate to Astra (19.2E) - services and press the OK-Button.



Now choose your desired services by navigating to them and pressing the OK-Button to select. All selected services do appear red.

To unselect a service, just press the OK-Button on it again.

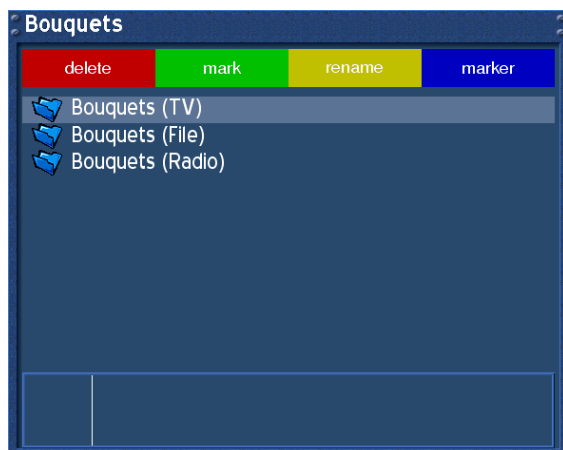
To finish selection press the LAME-Button.

The System will guide you back to the Menu Service Organising.

To verify your selected services, choose (3) Edit Bouquets from the Menu Service Organising and press the OK-Button. Choose from the next Menu Bouquets, Bouquets (TV) and press the OK-Button. Navigate to your created bouquet and press the OK-Button.

27. Service Organising - Edit Bouquets

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (1) Service Organising -> (3) Edit bouquets.

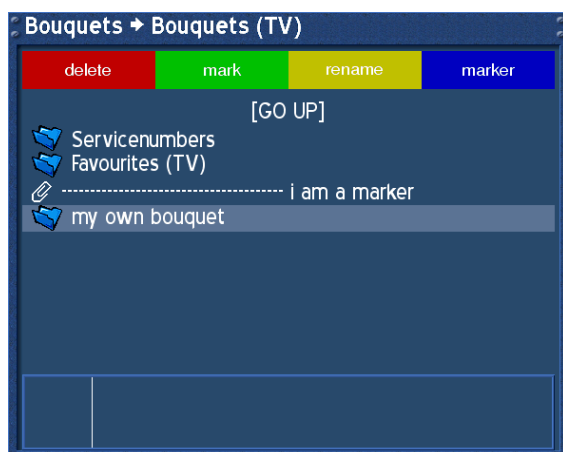


In this Menu you can only rename the selected Bouquet Type by pressing the yellow Option-Button.

Choose a Bouquet Type you wish to edit a Bouquet from.

In our example we do choose Bouquets (TV) to edit.

Press the OK-Button.



Press the red Option-Button to delete a selected Bouquet.

Press the green Option-Button to highlight a Bouquet and direct it to another place in the list. Press the green Option-Button again to release.

Press the yellow Option-Button to rename a selected Bouquet.

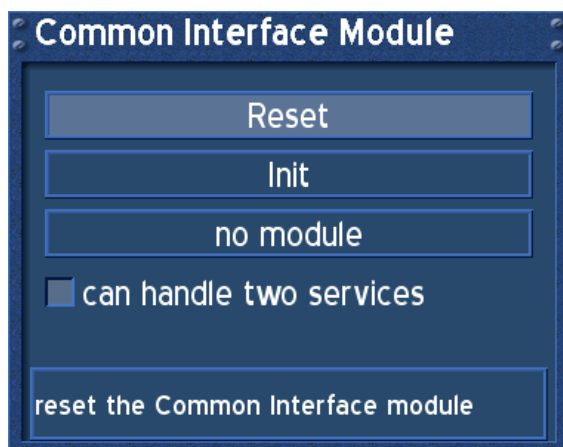
Press the blue Option-Button to set a marker between two Bouquets. A marker is used to place visual remarks. You can create as many markers as you want.

The same functions can be applied inside a Bouquet. Press the OK-Button to enter a Bouquet.

Press the LAME-Button to exit.

28. Common Interface

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (4) Common Interface.



Reset:

Use this Button to reset the CI- or CA-Module, if you experience problems with an encrypted service.

Init:

Use this Button to initialize the Smartcard inside your Module. We suggest to insert the Smartcard into the Module before inserting the Module into the Dreambox.

No Module:

This Button shows normally the Firmware from your Module. If none is inserted you see this message.

If a Module is inserted, navigate to this Button to enter its Options.

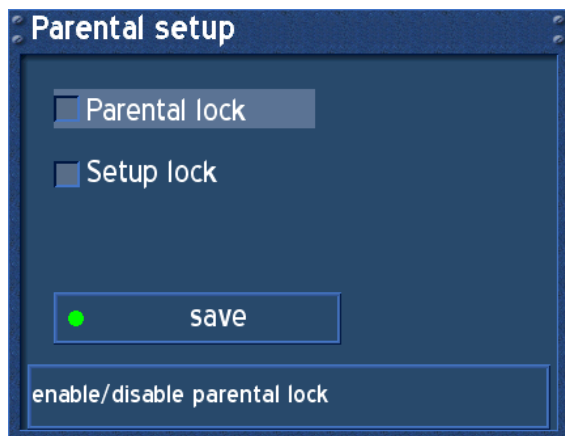
Set a check in front of „can handle two services“, if your Module does support this.

29. Parental Lock

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (5) Parental Lock.

Parental lock is used to lock services of your choice inside the Servicelist against access.

Setup lock is used to lock the Menu (6) Setup against access.



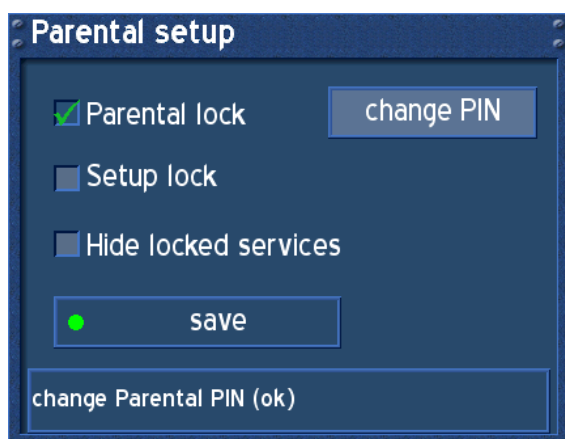
The Parental setup requires a four digit code of your choice called PIN for Parental lock and Setup lock.

Attention:

Loosing this PIN requires a “Flash Erase” of the Operationsystem to reset to factory defaults. See passage Dreambox resetting to factory defaults (flash erase).

29.1. Parental lock enable / disable

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (5) Parental Lock.



To enable Parental lock, set a check in front of “Parental lock”. The Button “change PIN” appears. Navigate to this Button and press the OK-Button to enter a PIN your choice. Reenter the PIN.

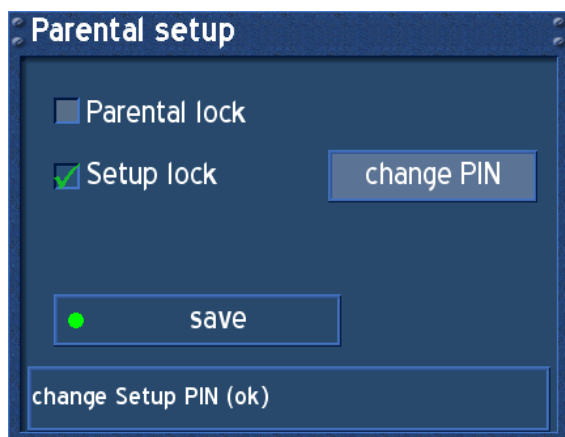
If you don't want to see locked services inside the Servicelist, set a check in front of “Hide locked services”.

To disable Parental lock, uncheck the checkbox from “Parental lock” and enter the PIN to verify.

Press the OK-Button to save.

29.2. Setup lock enable / disable

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (5) Parental Lock.



To enable Setup lock, set a check in front of “Setup lock”. The Button “change PIN” appears. Navigate to this Button and press the OK-Button to enter a PIN of your choice. Re-enter the PIN.

To disable Parental lock, uncheck the checkbox from “Setup lock” and enter the PIN to verify.

Press the OK-Button to save.

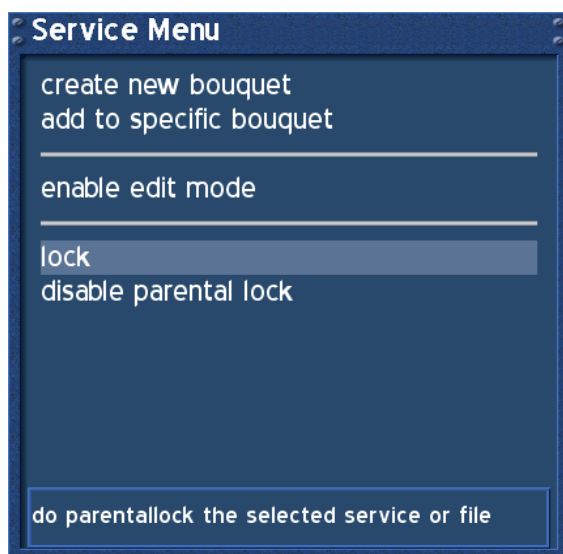
30. Services locking / unlocking



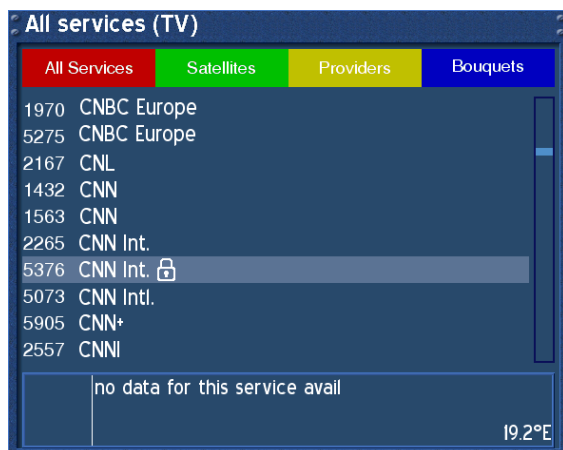
Press the TV-Button to bring up the Servicelist.

Choose the Service you want to lock / unlock and press the DREAM-Button.

You can lock / unlock services in any Servicelist. Press the desired Option-Button to enter either **All Services**, **Satellites**, **Providers** or **Bouquets**.



After pressing the DREAM-Button the Service Menu appears. Navigate to the option "lock" / "unlock" and press the OK-Button to lock / unlock the selected service.



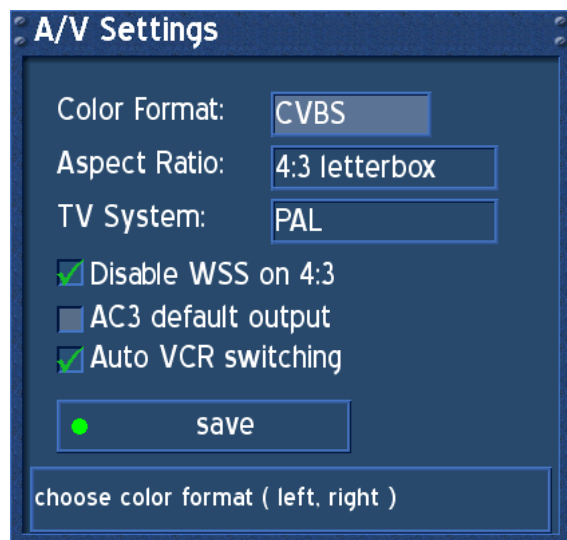
Beside the selected service appears the Symbol for a locked service.

If you want to view / unlock this service next time you select it, you will be asked for the PIN.

Enter the PIN to view / unlock this service. After unlocking the Service, the Symbol for a locked service will disappear.

31. A/V Settings

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (3) Sytem Settings -> (2) A/V Settings.



Use ether the Navigation-Buttons left and right or the OK-Button to change or set the Values.

Color Format:

CVBS(FBAS), **RGB** (Red, Green, Blue seperated), **SVideo** (Color- and Brightnes signal seperated) and **YPbPr** (Component signal e.g. for Projectors).

Aspect Ratio:

4:3 letterbox (standard), (16:9 programs will be displayed on 4:3 TV's with black beams at top and bottom)

4:3 panscan (16:9 programs will be zoomed to full high on 4:3 TV's, parts of the picture on the left and right side will cut off)

16:9 (programs transmitted in 16:9 will be displayed automatically in 16:9, on 4:3 TV's the picture will be reduced in height)

always 16:9 (for 16:9 TV's, on 4:3 TV's the picture will be reduced in height)

TV System:

PAL, PAL+PAL60, Multinorm and NTSC

Select the Norm your TV supports.

We suggest to choose Multinorm.

Auto VCR switching:

Activating this function (standard) switches the Videosignal from the VCR socket to the TV. Depending on the used VCR, switching takes affect by turning on the VCR or starting playback.

disable WSS on 4:3:

Set a check into the Checkbox to disable zooming on some 16:9 TV's during 4:3 transmissions.

AC3 default output:

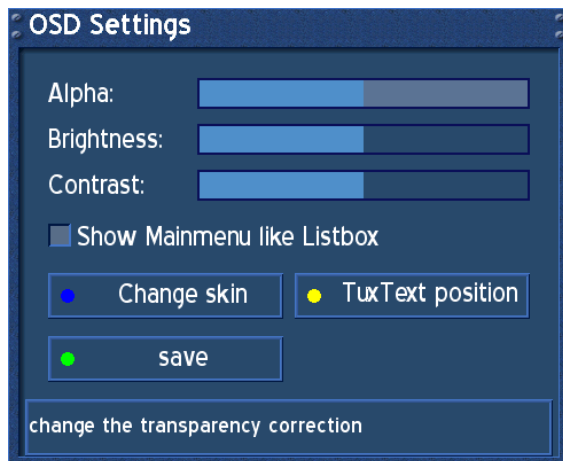
If a program is transmitted with an AC3 Audio-Track (e.g. Dolby Digital), the Dreambox switches automatically to this Audio-Track. The AC3 Signal will only be available at the optical socket.

The Dreambox has no built-in Dolby Digital Decoder, AC3 signals are not available on the analogue socket, therefore you need an external Dolby Digital Amplifier to adjust the Volume.

Press the green Option-Button to save.

32. OSD Settings

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (3) System Settings -> (4) OSD Settings.



Use the Navigation-Buttons left or right to decrease or increase the selected slider.

Alpha:

Setup how much the tv picture should be visible through the OSD.

Brightness:

Setup the Brightness of the OSD.

Contrast:

Setup the Contrast of the OSD.

Show Mainmenu like Listbox:

Set a check into Checkbox to enable listboxview of the OSD-Mainmenu.

Change skin:

Setup a new skin. See passage Change Skin.

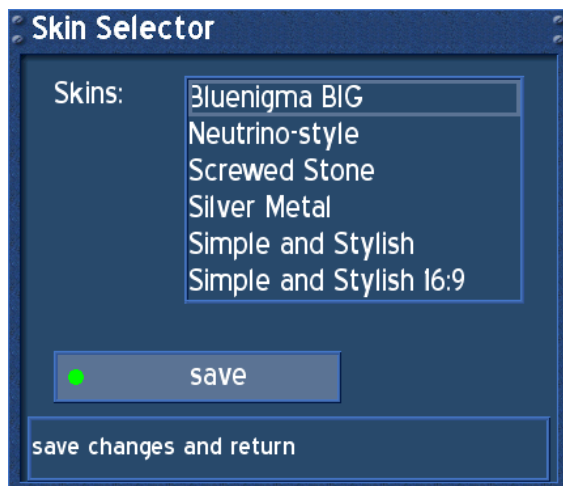
TuxText position:

Setup the TuxText position. See passage TuxText position.

Press the green Option-Button to save.

32.1. Skin Setup

Press the DREAM-Button to enter the OSD-Main menu.
Go to (6) Setup -> (3) System Settings -> (4) OSD Settings, press the blue Option-Button (change skin).



A skin changes the appearance of the OSD.

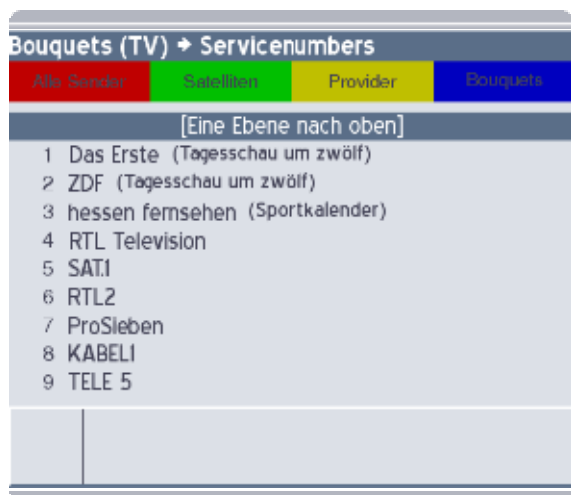
The defaultskin is Screwed Stone.

Please take a look at passage Available Skins to make yourself a picture of this.

Navigate to a Skin of your choice and press the OK-Button to activate.

The Dreambox will ask you to restart the Operationsystem to apply the new skin.

32.2. Available Skins



Bluenigma BIG



Screwded Stone



Simple and Stylish



Neutino-Style



Silver Metal

Simple and Stylish 16:9 has the same look like **Simple and Stylish**, but is optimized for 16:9 TV's.

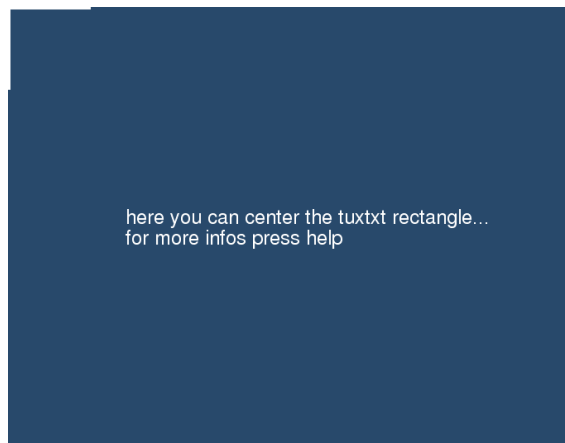
32.3. TuxText position

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (3) Sytem Settings -> (4) OSD Settings, press the yellow Option-Button (TuxText position).

What is TuxText? TuxText is a Plugin (additional Software), which allows the Dreambox to decode the digital Teletext. TuxText is more faster and easier to use.

This Menu is used to adjust the Position of the TuxText. Maybe the Clock does not appear or the Textpages are not shown in the middle of the screen.



Press the HELP-Button for more information.

The red Option-Button enables the Top left Point of the rectangle.

The green Option-Button enables the Bottom right Point of the rectangle.

Use the Navigation-Buttons down/right for the Top left rectangle and up/left for the Bottom right rectangle to adjust.

Press the OK-Button to exit

Attention:

If you don't see any rectangle, then they are out of range. Please adjust the rectangle into the middle of the screen.

33. Teletext - Software Decoder (TuxText) activating

What is TuxText? TuxText is a Plugin (additional Software), which allows the Dreambox to decode the digital Teletext. TuxText is more faster and easier to use.



Press the OK-Button to bring up the Infobar to be sure the PVR-Mode is not activated.

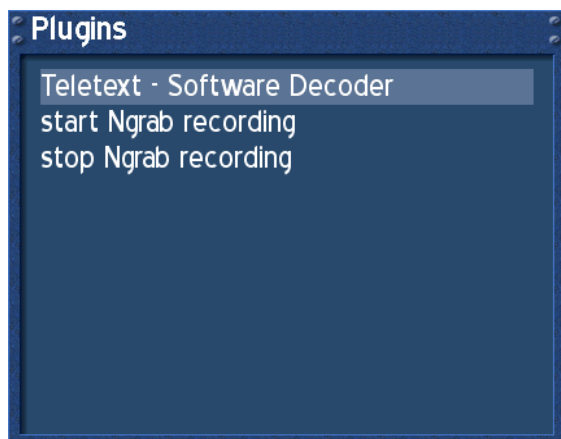
The blue Option-Button activates in this mode the Plugins menu.



The PVR-Mode is activated if the Infobar shows the PVR control symbols. The blue Option-Button controls the fast forward function in this mode.

Press the VIDEO-Button to deactivate the PVR-Mode.

Please remember, not every service provides Teletext Information!



Press the blue Option-Button, the Plugins menu appears. Press the OK-Button to activate the "Teletext - Software Decoder" (TuxText).

TuxText interactive Navigation:

Press the OK-Button to enter the interactive mode. Use the Navigation-Buttons to select a textpage and press the OK-Button to call this site. You don't need to type in a Textpagenumber in this mode.

Press the LAME-Button to exit.

TuxText viewing options:

Press the Volume-Mute-Button a couple of times to switch to alpha-mode, invisible-mode and full-mode.

The alpha-mode shows the picture from the running program through the Textpages.

The invisible-mode shows the complete picture from the running program without exiting the TuxText.

The full-mode brings back the Textpage.

Press the Volume + Button to toggle between double high from the upper half, double high from the lower half and full view Textpage.

Press the Volume - Button to activate or deactivate the PIG-Mode (Picture in Graphics). Same view from Textpage and Program picture. (best results are show on 16:9 TV's during 4:3 transmission).

TuxTxt Konfigurationsmenu:

Press the DREAM-Button to enter the TuxText Konfigurationsmenu. We are sorry, at the moment, this menu is only available in german.

Teletext – Auswahl:

Use the Navigation-Button left or right to choose another Teletext provider from the current Transponder and press the OK-Button to view.

Bildschirmformat (Aspect Ratio):

16:9 im Standard-Modus = ein/aus (16:9 during Standard-Mode = enable/disable)

Enabling this, shows the TuxText in 16:9 Aspect Ratio. Press the OK-Button to enable or disable. Default is disabled.

16:9 im TextBild-Modus = ein/aus (16:9 during TextPicture-Mode = enable/disable)

Enabling this, switches the TV to 16:9 Aspect Ratio if the PIG-Mode is activated with the Volume - Button. Press the OK-Button to enable or disable. Default is disabled

Attention:

On some older 4:3 TV's these Modes may not work. If enabled, it could happen, that your TV switches away from the VCR or A/V socket. The reason is a technical problem. The Switchsignal on the Scartconnector is at PIN 8 using 12 Volts. Using a 16:9 Aspect Ratio switches the PIN 8 to 6 Volts, which some older 4:3 TV's can not handle. If you are using a 4:3 TV, we suggest not to enable these Modes.

Helligkeit (Brightness):

Anzeige 1/3 reduzieren = ein/aus (Display 1/3 reducing)

Enabling this, reduces the Brightness by 1/3. It makes the Display of the TuxText more smoother. If you are watching Teletext Subtitles it's recommended to disable. Press the OK-Button to disable or enable. Default is enabled.

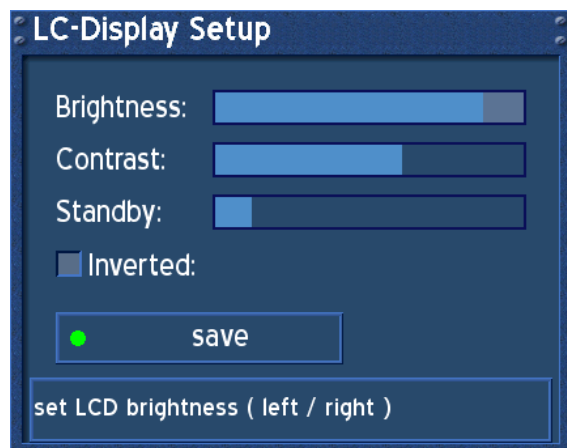
nationaler Zeichensatz (national Codepage):

automatische Erkennung = ein/aus (automatic detection = enable/disable)

The national Codepage detection is used to display the Teletextpages with the right letters for your location. Press the OK-Button to disable or enable. Default is enabled. If disabled, use the Navigation-Buttons left or right, to choose your Codepage.

34. LCD Settings

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (3) Sytem Settings -> (6) LCD Settings.



The LC-Display Setup is used to adjust the Brightness of the LCD at your Dreambox. Use the Navigation-Buttons left or right to adjust the Brightness, Contrast and Standby.

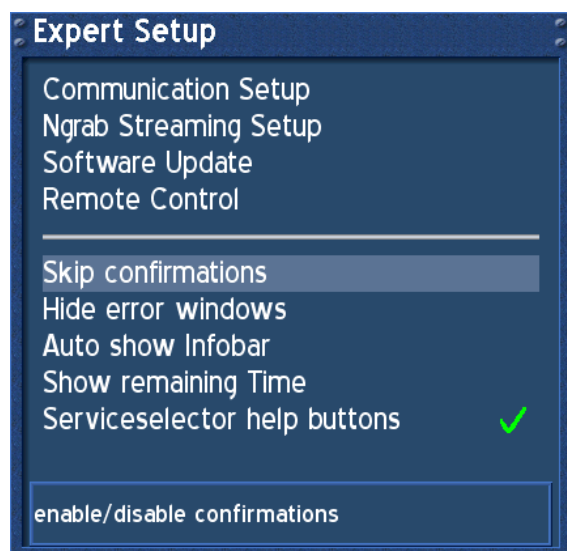
Standby is used to adjust the Brightness in Standby-Mode.

All adjustments take effect immediately.

Checking the Checkbox „Inverted“, inverts the LCD. Press the green Option-Button to save.

35. Expert Setup

Press the DREAM-Button to enter the OSD-Mainmenu.
Go to (6) Setup -> (6) Expert Setup.



Skip confirmations:

Press the OK-Button to set a toggle. No more confirmation windows will be shown. Be carefull with this Option. The System doesn't ask anymore, if you would like to see the recorded movie after stopping recording. nor if you would like to really delete a movie. Default is disabled.

Hide error windows:

Press the OK-Button to set a toggle. All error windows will not be shown. E.g. Service not found. Default is disabled.

Auto show Infobar:

Press the OK-Button to set a toggle. Every time a new program starts, the Infobar will be shown automatically. Default is disabled.

Show remain Time:

Press the OK-Button to set a toggle. The remain Time of the running program will be shown instead of the complete Time. Default is disabled.

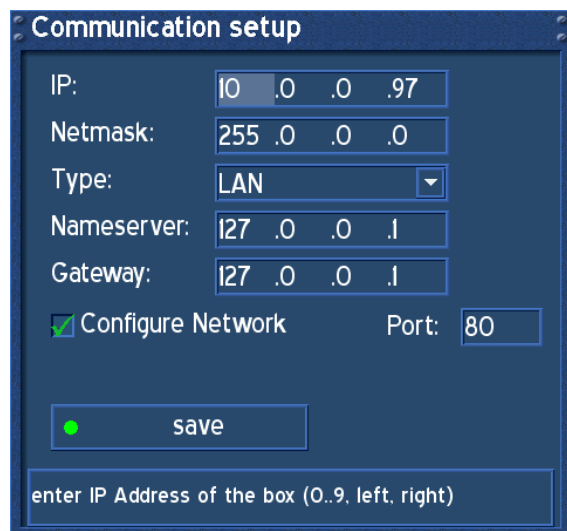
Serviceselector help buttons:

Press the OK-Button to unset the toggle. The Serviceselector help buttons won't be shown. Default is enabled.

35.1. Communication (Network, LAN Setup)

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (6) Expert Setup -> select Communication Setup.



Communication setup

IP: 10 .0 .0 .97

Netmask: 255 .0 .0 .0

Type: LAN

Nameserver: 127 .0 .0 .1

Gateway: 127 .0 .0 .1

☒ Configure Network Port: 80

save

enter IP Address of the box (0.9. left, right)

Use the Navigation-Buttons and the Numeric-Keyboard to set the Values.

IP:

Enter the IP-Address here. The IP-Address is used to specify the Host IP-Address.

Netmask:

Enter the Netmask here. The Netmask is used to find an Host IP-Address in its Subnet.

Type:

LAN (Local Area Network); Connection to the home Network. Default is LAN.

WAN/PPPoE (Wide Area Network) / (Point-to-Point Protocol over Ethernet); Direct Connection to the Internet, (e.g. DSL Modem direct connected to the Dreambox). Please proceed to next passage for WAN settings.

Nameserver:

Enter the DNS-Server IP-Address here. DNS is used to translate a Domainname to an IP-Address. Normally, if the Type is set to LAN, there is no need for a DNS entry. If the Dreambox is connected to the Internet over a Router, enter the Router's IP-Address here.

Gateway:

Enter the Router's IP-Address here, if the Dreambox is connected to the Internet over a Router.

Configure Network:

Setting a check enables the Network. Default is disabled.

Port 80:

Enter a Port of your choice to configure the HTTP Port for the Dreambox's Web Interface. Default is Port 80.

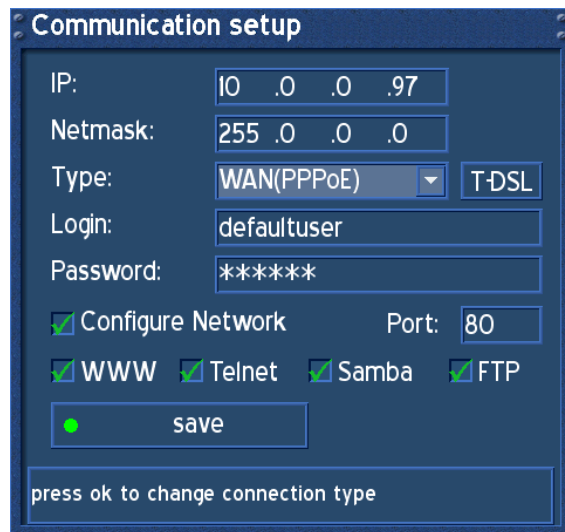
Attention:

If you are using a DHCP Server in your LAN, configure the DHCP Server so as not to assign an IP-Address which the Dreambox is using. The Dreambox does currently not support DHCP. Otherwise an IP-Address collision is possible. Refer to the DHCP Server Manual about how to configure a DHCP-Adress-Pool.

35.2. Communication (Network, WAN (DSL) Setup)

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (6) Expert Setup -> (1) Communication Setup.



Navigate to Type, press the OK-Button and select WAN(PPoE). Use this Type of Connection only, if the Dreambox is connected directly to a DSL-Modem.

T-DSL is used to enter the Account information only for german T-Com users.

Login:

Enter the Loginname provided from your ISP (Internet Service Provider).

Password:

Enter the Password provided from your ISP.

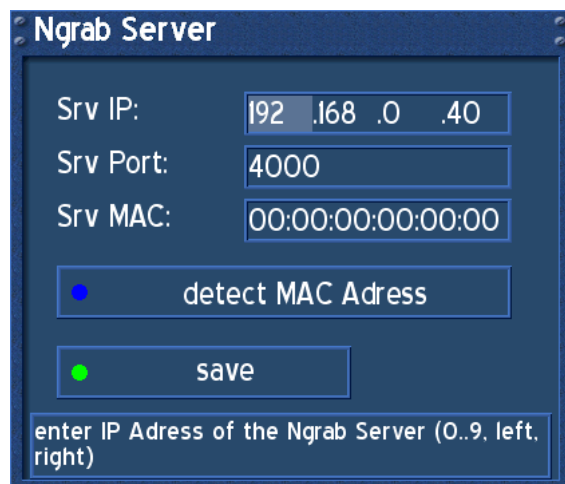
The Dreambox provides firewall functionalities on the following Ports:

80 HTTP, 23 Telnet, 137, 138, 139 Samba and 21 FTP. Uncheck the desired Checkbox to allow incoming connections.

35.3. NGrab Streaming Setup

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (6) Expert Setup -> (2) Ngrab Streaming Setup.



Ngrab Server is used to record a movie over the Network to another PC. First install the Ngrab Server Software on a PC and configure it referring the manual from the Software.

Srv IP:

Enter the IP-Address of the PC on which the Ngrab Server Software runs.

Srv Port:

Enter the Server Port-Address which is configured in the Ngrab Server Software.

Srv MAC:

The Ngrab Server Software must be started and configured, before detecting the MAC-Address of the PC. Press the blue Option-Button to start detecting.

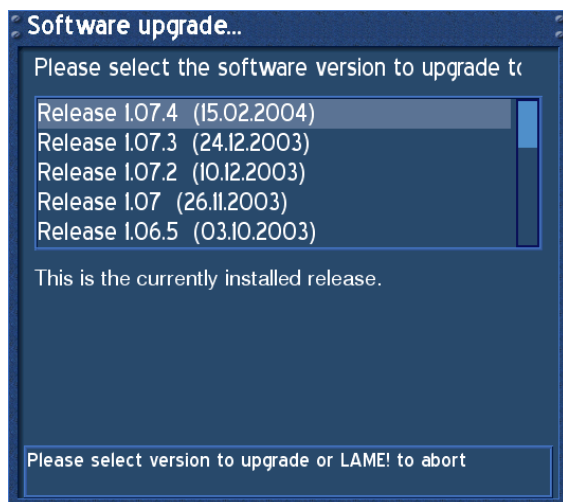
The MAC-Address is used for the WOL (Wake On LAN) funktion, which must be supported by the PC's NIC (Network Interface Card). This is a pretty good feature, because you can configure a PC to use full APM (Advanced Power Management). The PC awakes upon access through the NIC and the Ngrab recording starts.

Press the green Option-Button to save.

35.4. Software Update over Internet

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (6) Expert Setup -> (3) Software Update -> select Internet Update.

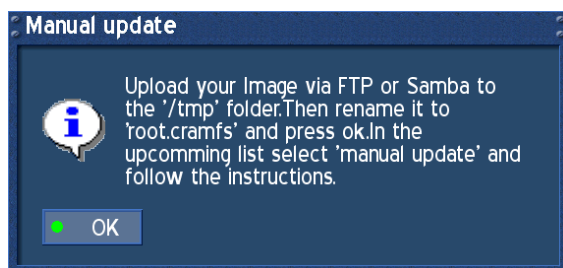


The Internet Update function only works, if you have configured the Network, and the Dreambox is connected to either a Router or a DSL-Modem. This window shows the currently installed Software. The latest release is always on top of this list. Select your Software upgrade by pressing the OK-Button and follow the instructions on the screen.

35.5. Software Update manual

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (6) Expert Setup -> (3) Software Update -> select Manual Update.



The manual Software upgrade is used, if the Dreambox is not connected to the Internet, but has the Network configured for LAN.

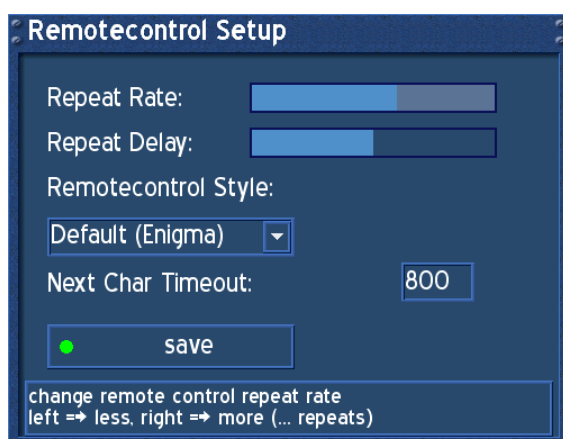
Download an image from <http://www.dm7000.com>

Follow the Instructions from this window.

35.6. Remote Control

Press the DREAM-Button to enter the OSD-Main menu.

Go to (6) Setup -> (6) Expert Setup -> (4) Remote Control.



This Menu is used to customize the Remote Control to your needs. Use the Navigation-Buttons left or right to adjust the Repeat Rate and Delay.

Navigate to Remotecontrol Style to select another Style.

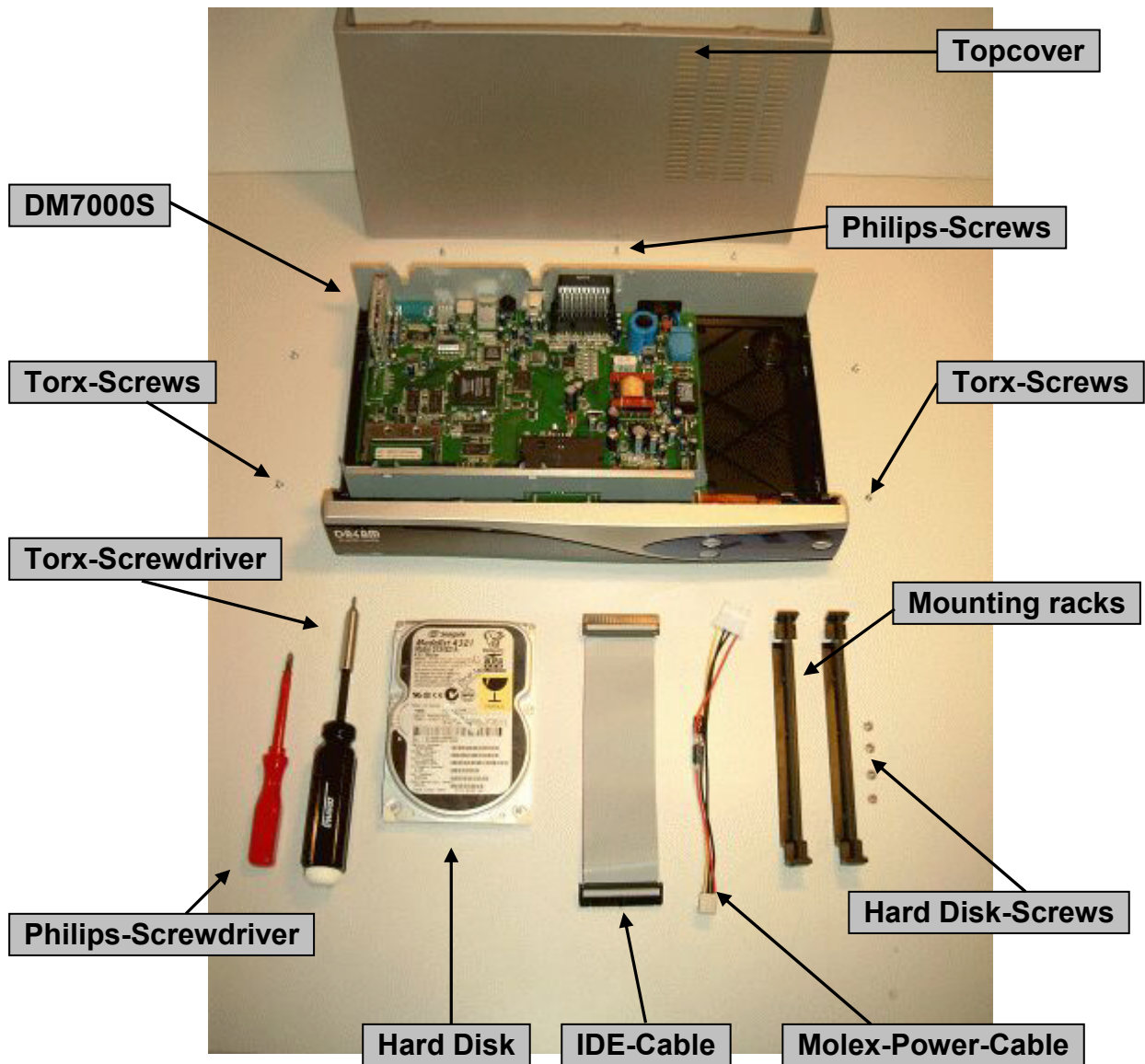
Change the Value „Next Char Timeout“ for your needs. Try this setting.

Press the green Option-Button to save.

36. Hard Disk - Assembly Instructions

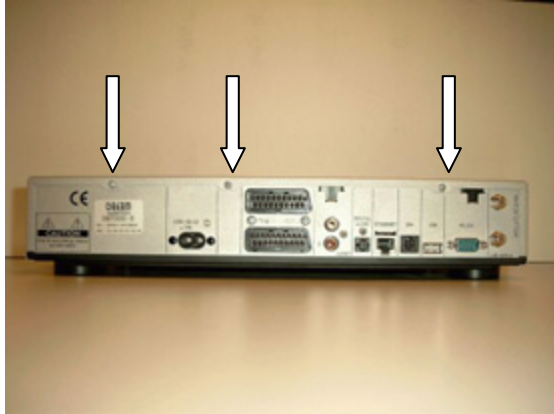
Unplug any cable from the Dreambox. Do not touch any Parts on the PCB. Please take care about ESD. Make sure you are shielded before opening or touching the device. Do not open the Dreambox in your living room on the carpet or any other electrostatic loaded floors. Open the Dreambox only with the described tools. If this all does not say anything to you, please consult your local dealer for assistance. Before opening the device read the Safety Instructions.

This Picture shows all needed parts.

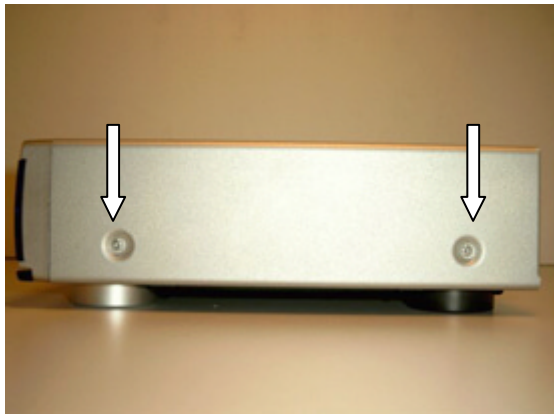


Part-List

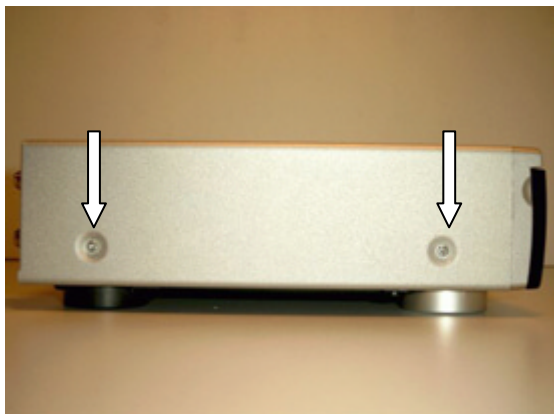
- 1 Dreambox (includes Topcover, 4 Torx-Screws (left, right), 3 Philips-Screws (rear))
- 1 Philips-Screwdriver
- 1 Torx-Screwdriver (T10 Bit)
- 1 Hard Disk (see http://www.dream-multimedia-tv.de/Bereiche/Produkte/HD_tested.php)
- 1 IDE-Cable
- 1 Molex-Power-Cable
- 2 Mounting racks (build in by default)
- 4 Hard Disk Screws of your choice



Unscrew the three Screws from the rear using the Philips-Screwdriver.



Unscrew the two Torx-Screws using the Torx-Screwdriver from the right side.

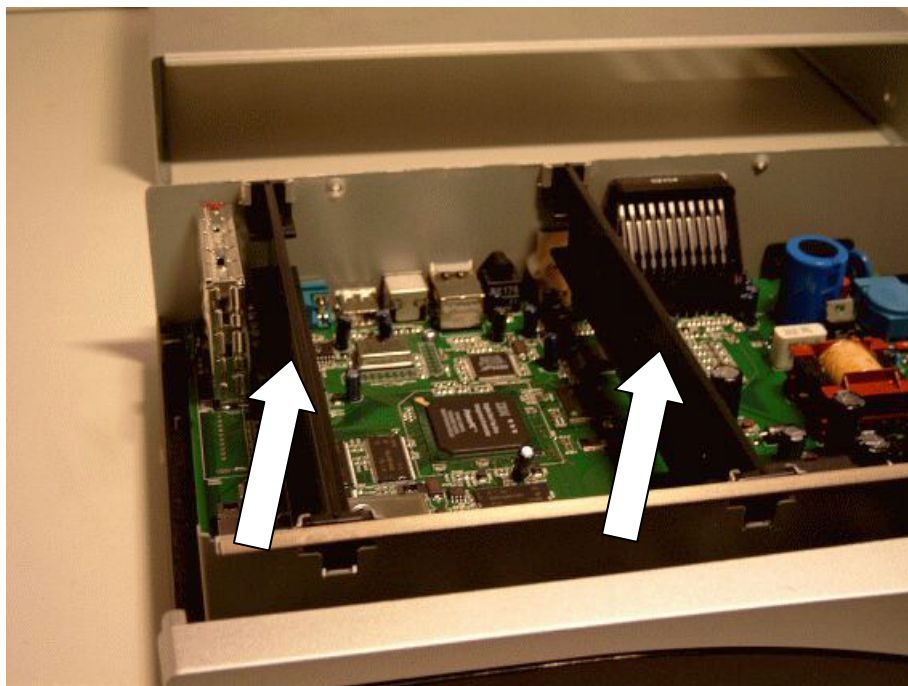


Unscrew the two Torx-Screws using Torx-Screwdriver from the left side.

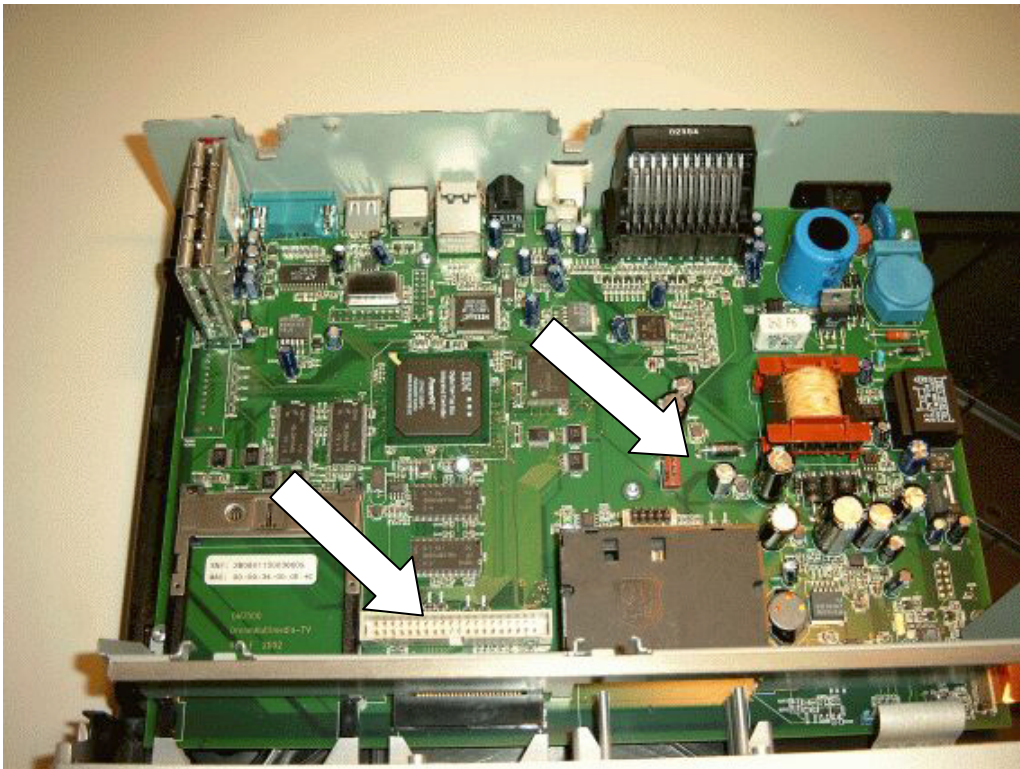
Pull the Topcover back.



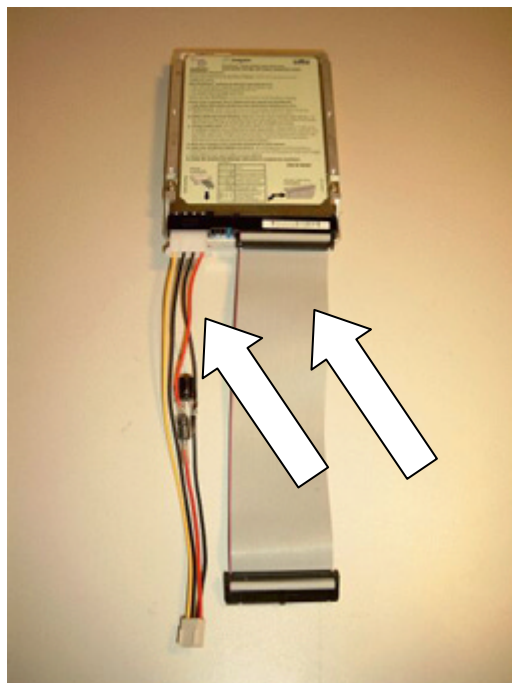
Remove the Mounting racks to top



Now you can see the IDE-Connector (white or black 40 Pin connector) and the Molex-Power-Connector (red 4 Pin connector) on the Mainboard.



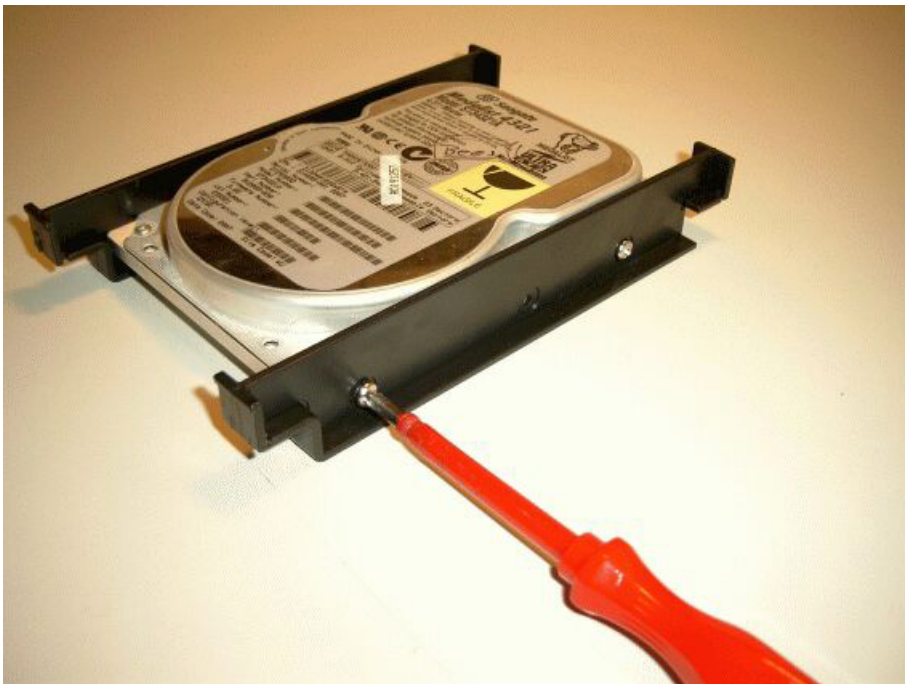
Plug the IDE- and Molex-Power-Cable into the Hard Disk.



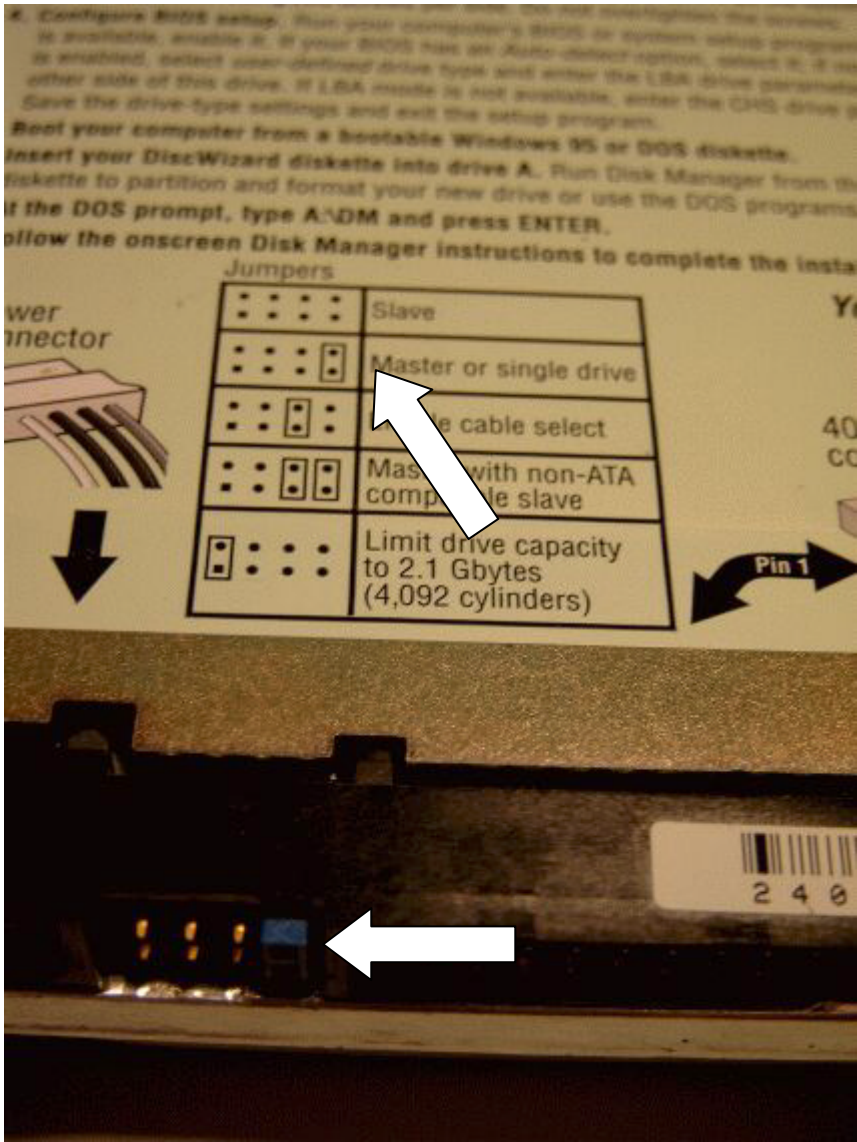
Now you need the Philips-Screwdriver, 4 Hard Disk Screws of your choice, the Hard Disk and the Mounting racks.



Mount the Hard Disk onto the Mounting Racks.

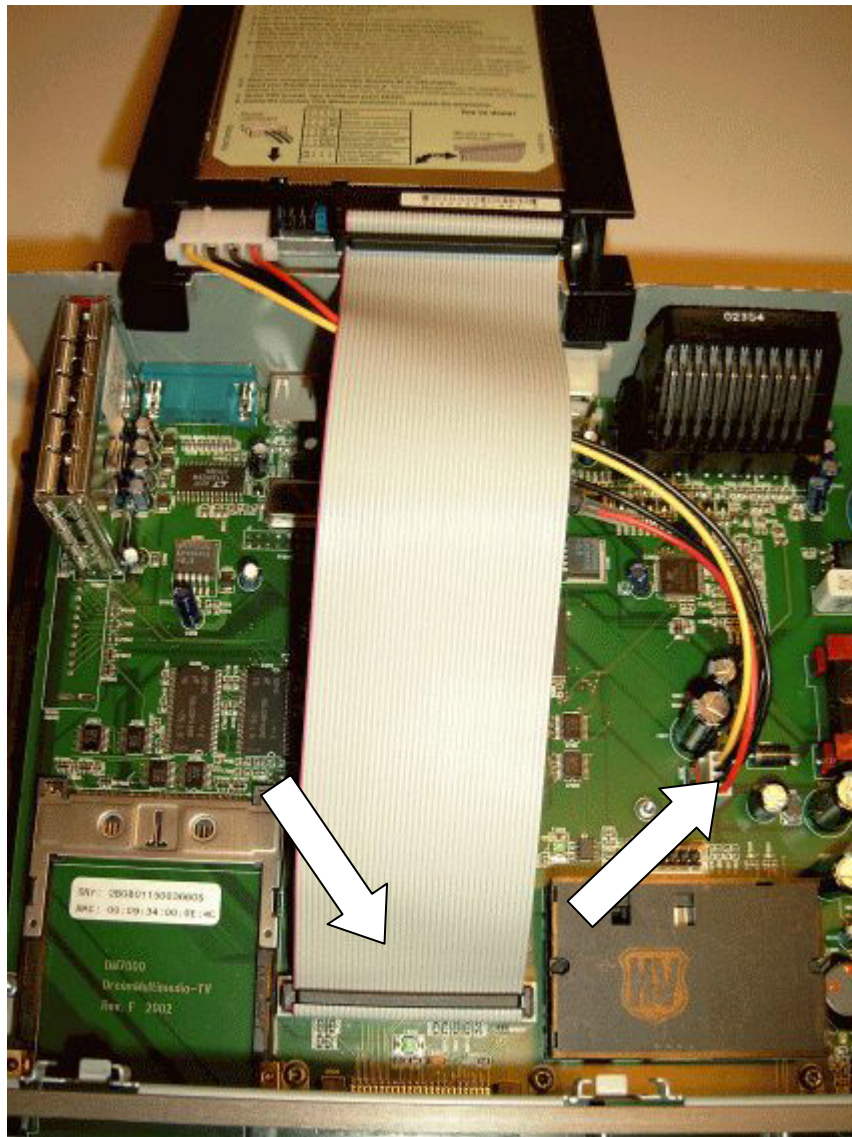


Set the Hard Disk Jumper to Master position.



Refer to the Hard Disk manual, how to set these jumpers.

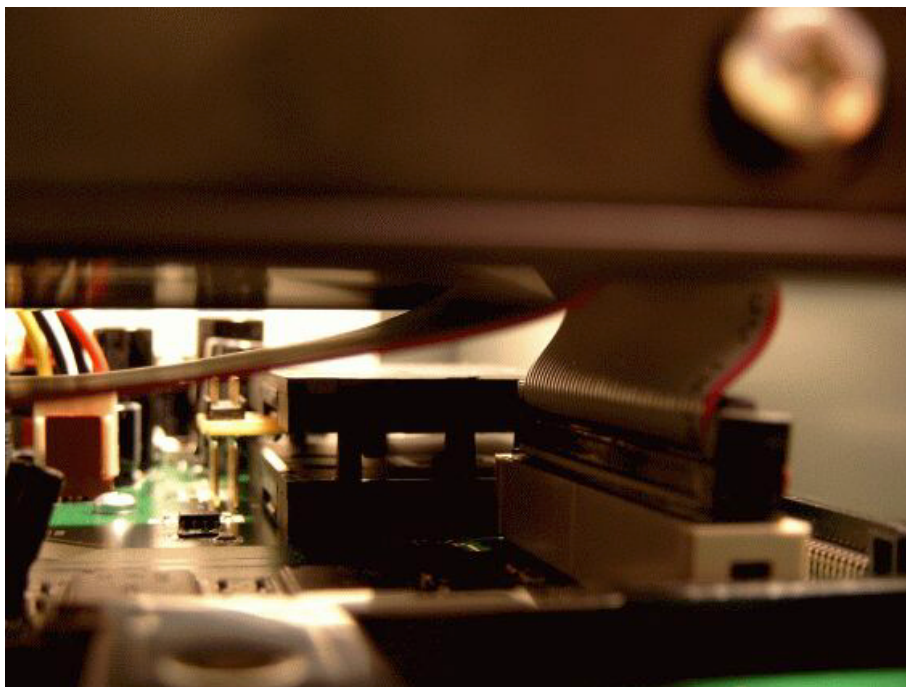
Connect the IDE- and Molex-Power-Cable with the Mainboard.



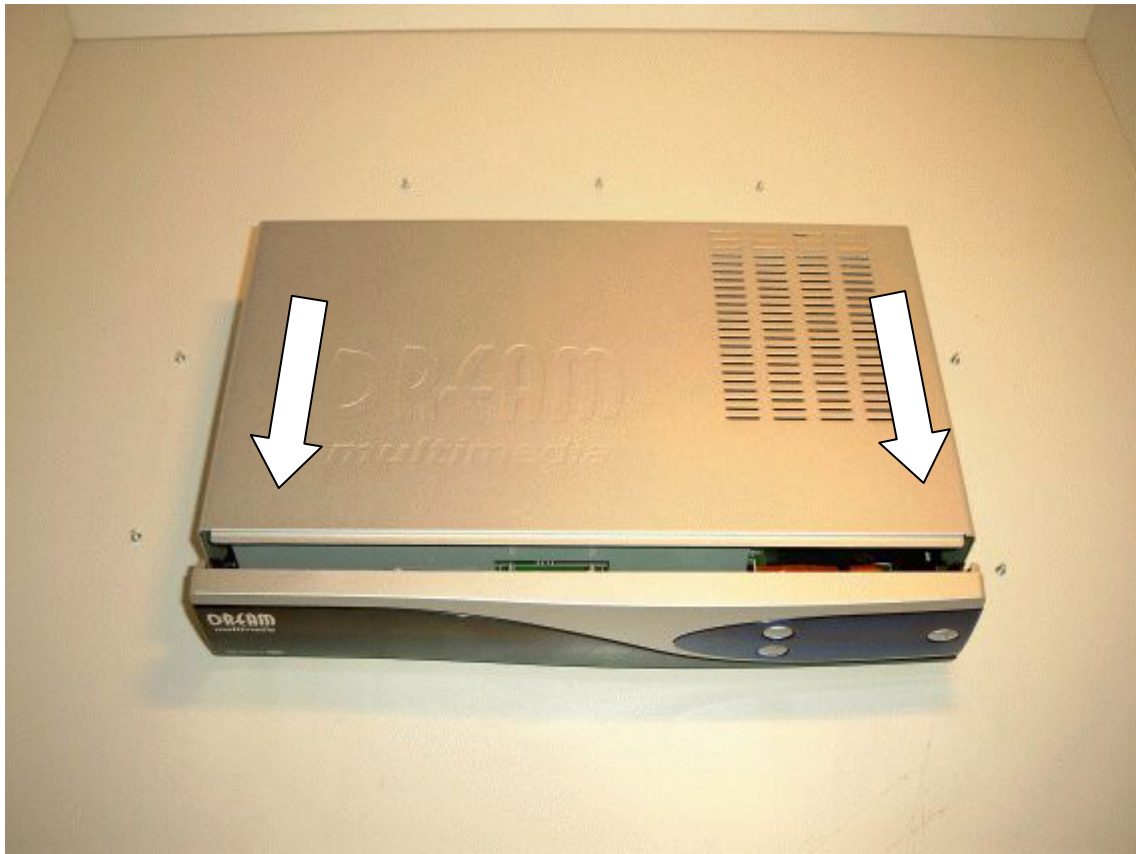
Place the Hard Disk in the Mounting holes of the case and the Cables beneath the Hard Disk.



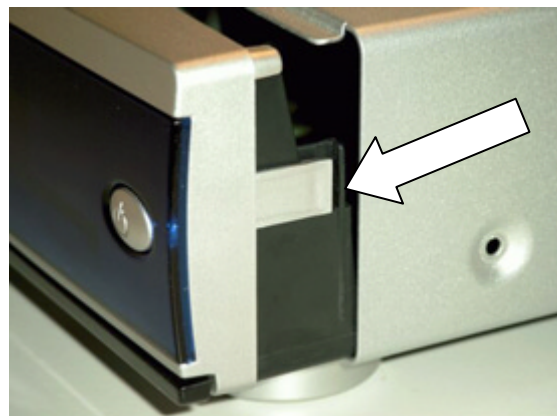
Take care that the IDE-Cable has as much distance from the Mainboard as possible.



Push the Topcover from the back to the front.



Take care about the plastic clips on both sides of the case. They must fit before closing the Topcover.



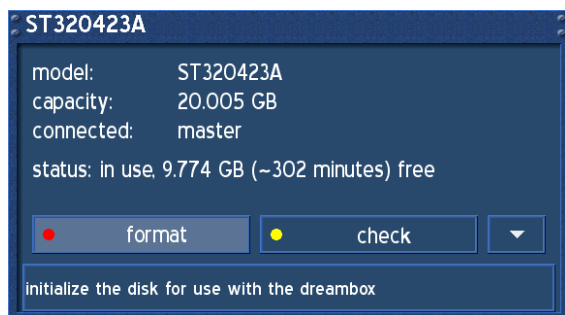
Screw all screws back into case.

Plugin all nessessary cables. The Mainspowercord at last.

37. Hard Disk Setup

Press the DREAM-Button to enter the OSD-Mainmenu.

Go to (6) Setup -> (3) System Settings -> (3) Harddisc Setup -> select the Harddisc.



This Menu shows the major Information about the installed Harddisc.

Before formatting the Harddisc, please select from the right arrow dropdown menu a filesystem which the Harddisc will be formatted with. Choose an "ext3" or "reiserfs" filesystem pressing the OK-Button.

The "ext3" is a faster filesystem.

The "reiserfs" is a saver filesystem.

Press the red Option-Button to format.

Press the yellow Option-Button to check the Filesystem.

Please shutdown the Dreambox after formatting.

38. Recording a movie (spontaneous recording)



Attention:

The Infobar disappears after a couple of seconds. Press the OK-Button to bring up the Infobar.

During PVR-Mode the Option-Buttons are assigned as follows:

RADIO-Button: start recording

TV-Button: stop

red Option-Button: fast rewind

green Option-Button: start playback

yellow Option-Button: pause

blue Option-Button: fast forward



Select a Service you want to record from the Servicelist. This could be either a TV or Radio service. Press the VIDEO-Button to activate the PVR-Mode. The Infobar shows the PVR control symbols. Press the RADIO-Button to start a spontaneous recording. During recording, the Infobar displays a little blinking red dot. This means that a recording is still in process.

You can watch another service from the same Transponder during record. Press the Navigation-Button up or down to bring up the Servicelist. All possible services will be shown. Select another service. The recording proceeds in the background.

Remember to press the VIDEO-Button to activate the PVR-Mode after switching to another service during recording.

You can also watch a recorded service during record. Press the Navigation-Button up or down to bring up the Servicelist. Press the TEXT-Button to show all recorded movies. Select a movie by pressing the OK-Button. The recording proceeds in the Background.

Remember allways to activate the PVR-Mode before controlling a recording or play of a service by pressing the VIDEO-Button.

Press the TV-Button to stop recording.

38.1. Viewing/deleting/rename recorded movies

Press the DREAM-Button to enter the OSD-Main menu.
Go to (3) File Mode.

You can also enter the File-Mode using the Navigation-Buttons up or down without entering the OSD-Main menu, to bring up the Servicelist. Press the TEXT-Button to enter the recorded movies list.



Watching:

Select a movie by pressing the OK-Button.
The Playback starts.

Remember allways to activate the PVR-Mode before controlling a recording or play of a service by pressing the VIDEO-Button.

Press the TV-Button to stop playback.

Deleting:

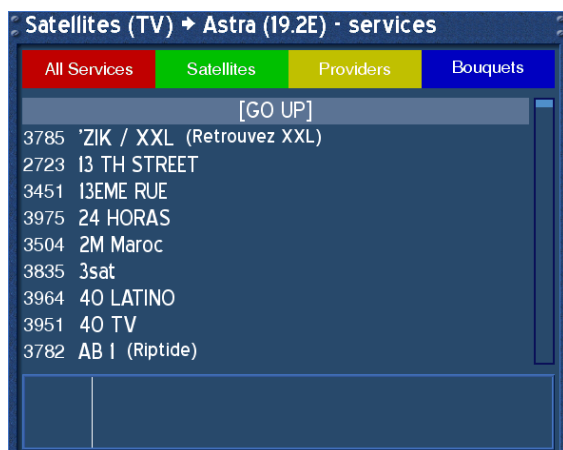
Choose a movie to delete using the Navigation-Buttons up or down. Press the DREAM-Button. The Service Menu appears. Select delete and press the OK-Button.

Renaming:

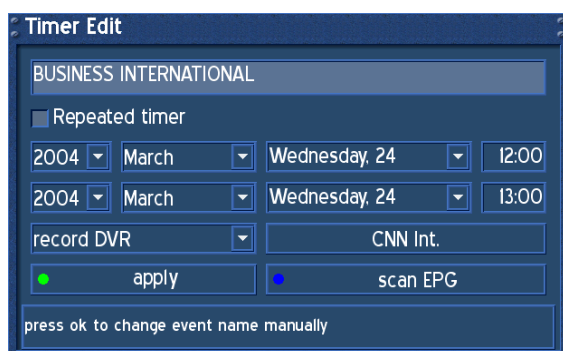
Choose a movie to rename using the Navigation-Buttons up or down. Press the DREAM-Button. The Service Menu appears. Select rename and press the OK-Button. Change the Name of the Movie in the next window.

39. Recording a movie (Timer recording)

Attention: Timer recording works only in Standby-Mode, not in Deep-Standby-Mode.



Open a Servicelist using the Navigation-Buttons up or down or pressing the TV-Button. Select a service you want to programm into the Timer. Watch this service for a couple of seconds until the red EPG dot in the Infobar appears. Remember, not every service provides EPG Informations. Press the red Option-Button. Choose an event and press the green Option-Button to add it to the Timer.



The Timer Edit window appears.

Repeated Timer:

Set a check to enable this Event to record for a couple of days or the whole week.

You can change the starting and ending Time for this event by navigating to its desired fields. Type in the new Time with the Numeric-Keyboards.

Navigate to the Dropdownlist "record DVR" to change the record method.

Possible methods are:

- Switch – the Timer switches to this event.
- Record DVR – the Timer records this event.
- Ngrab – the Timer records to a Ngrab PC.

Press the green Option-Button to apply.

The Event will be marked as a Timerevent in the Servicelist. Press the LAME-Button to exit the Servicelist.

To verify a Timerevent, press the DREAM-Button to enter the OSD-Mainmenu, go to (9) Timer. The Timer list appears.

40. Timeshift

Activate the PVR-Mode by pressing the VIDEO-Button. Record at least a service for 1 minute. Now you can rewind, pause and forward the movie during record. This is a useful function, maybe the phone is ringing and you don't want to miss the running program.

41. Timer

Press the DREAM-Button to enter the OSD-Main menu.
Go to (9) Timer.

Attention: The Timer works only in Standby-Mode, not in Deep-Standby-Mode.



The Timer list keeps all programmed Timerevents. This could be a Sleptimer or a Timerevent for recording or switching to a service.

A completed Timerevent will be listed with a green check in front.

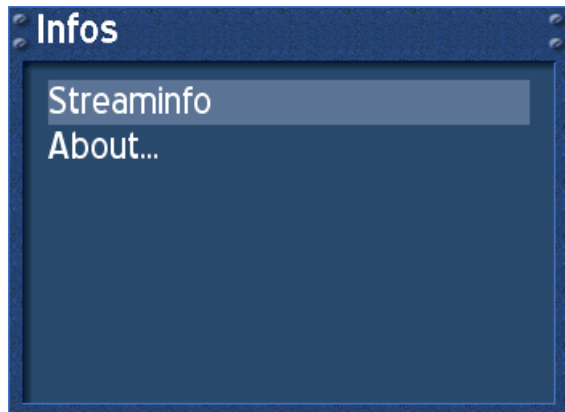
An aborted or missed Timerevent will be listed with a red cross in front.

Please add a Timerevent only from the EPG.

Press the red Option-Button to remove an entry.

42. Information - Streaminfo / About

Press the DREAM-Button to enter the OSD-Main menu.
Go to (4) Information.

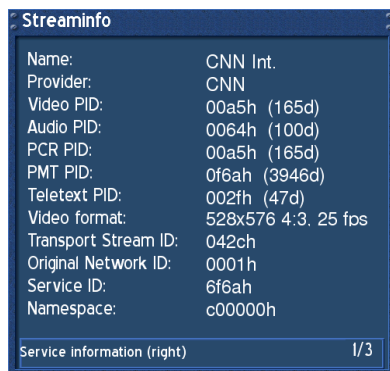


Press the OK-Button to enter the Streaminfo.

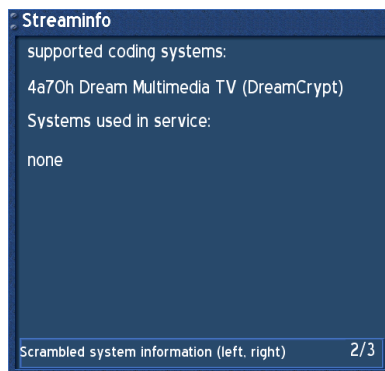
Use the Navigation-Button right to open the following windows. Use the Navigation-Button left to go back.

Navigate to "About" and press the OK-Button to enter.

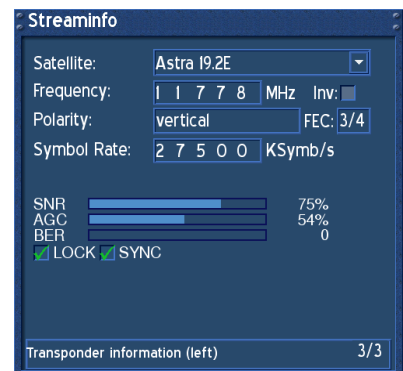
Press the LAME-Button to exit.



This window shows detailed Information about the chosen Service.



This window shows Information about supported and used coding systems.



This window shows technical Information about the chosen Service.



This window shows the Manufacturer Product Type.

Processor Type
Frontend Type
Harddisc Vendor Infos

And the currently installed Software Release.

Press the green Option-Button to exit.

43. DreamUp - Software upgrade

!!!! Very important, please read this passage completely, before starting upgrading !!!!

Dreamup and the Images (Software) for the DM7000S are available at our Website
www.dm7000.com.

***Remove all cables from the Dreambox.
Connect only the serial and the Patchcable.
The Mainspowercord is disconnected.***

You need a Windows PC with a serial port (COM1 or COM2) and an Ethernet card. Connect the Ethernet card with the Dreambox Communication port using a Crossover Patchcable. Connect the serial ports with a serial nullmodem cable.

How to figure out the IP-Address in Windows (W98,W2K,XP) :

Click Start -> Run -> type in "Command" -> press Return.

A Dosbox opens. Type at the Dosprompt "ipconfig /all" and press Return. The IP-Address will be listed. If you have more than one Ethernet adapter listed, then take the first adapter. If you don't see an IP-Address, maybe you have no Ethernet card installed or configured. Refer to Windows Help or consult a Technician for assistance.

```
Ethernetadapter "LAN-Verbindung":  
Verbindungsspezifisches DNS-Suffix:  
Beschreibung. . . . . : 3Com EtherLink 10/100 PCI TX NIC (3C905B-TX)  
Physikalische Adresse . . . . . :  
DHCP-aktiviert. . . . . : Nein  
IP-Adresse. . . . . : 10.0.0.2  
Subnetzmaske. . . . . : 255.0.0.0  
Standardgateway . . . . . :  
DNS-Server. . . . . :  
Primärer WINS-Server. . . . . :
```



Note the IP-Address and Subnetmask.

43.1. DreamUp - Preparing DreamUp

Start the Software DreamUp2.14b on your PC.

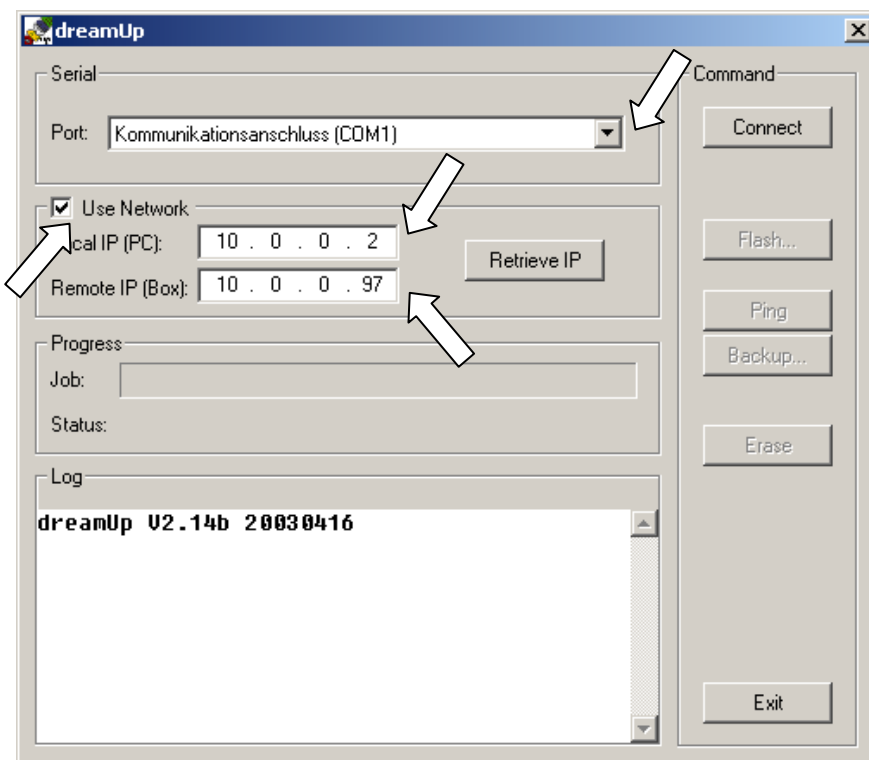
Choose the COM Port, which is connected to the Dreambox.

Make shure the Checkbox „**Use Network**“ is checked. If not, the Software connects only serial.

Type in the IP-Address from your PC „**Local IP (PC)**“.

Type in an IP-Address „**Remote IP (Box)**“ for the Dreambox, e.g. 10.0.0.97.

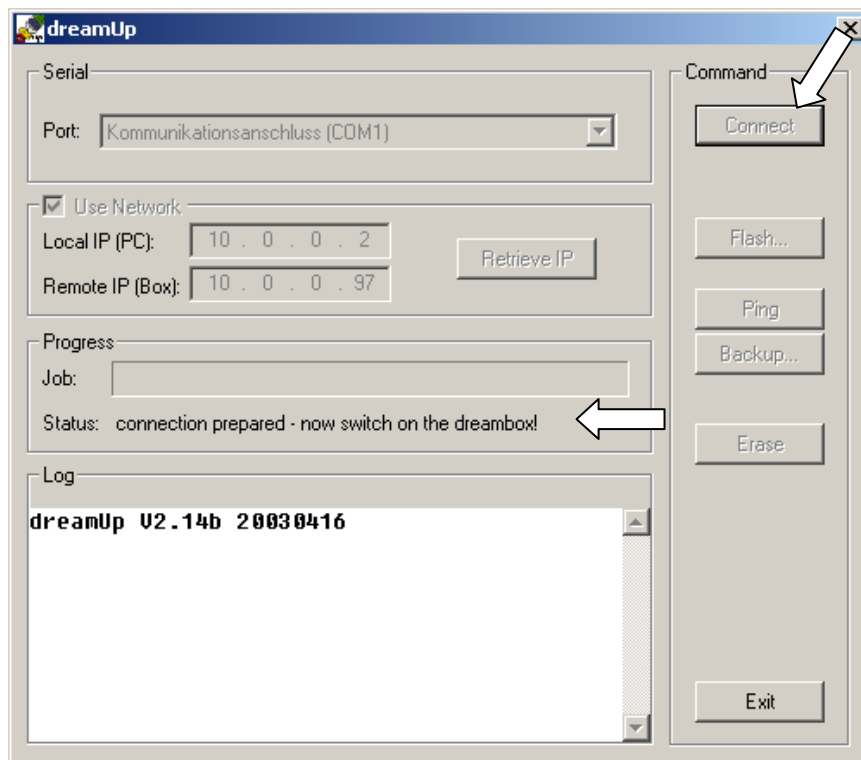
Make sure the IP-Address is not assigned to another Computer in your LAN, if the Dreambox is connected over a Hub, Switch or Router with an normal Pathcable.
If you are using a Crossover Patchcable to connect, then the IP-Address is not that important, but it must match to the chosen Subnetmask.



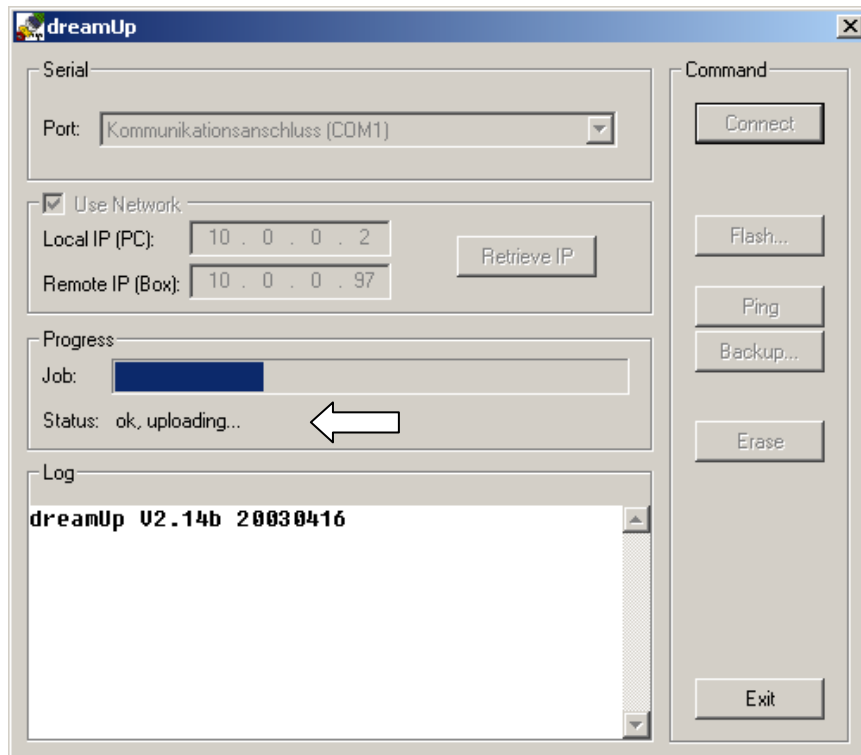
Dreamup is now prepared for flashing the image.

43.2. DreamUp - Establish a Connection

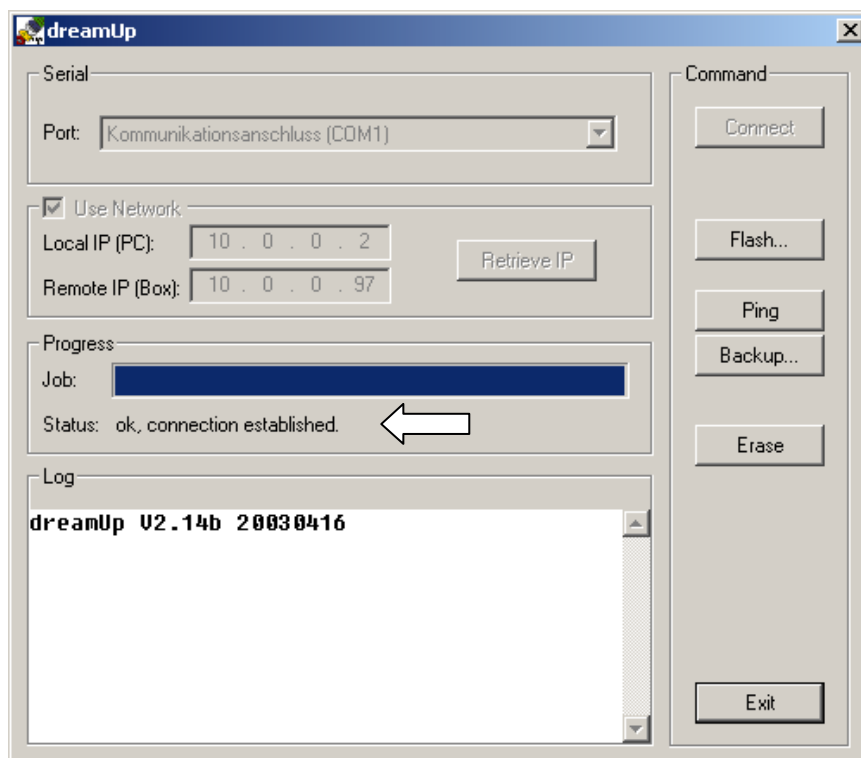
Click on the Connect-Button.



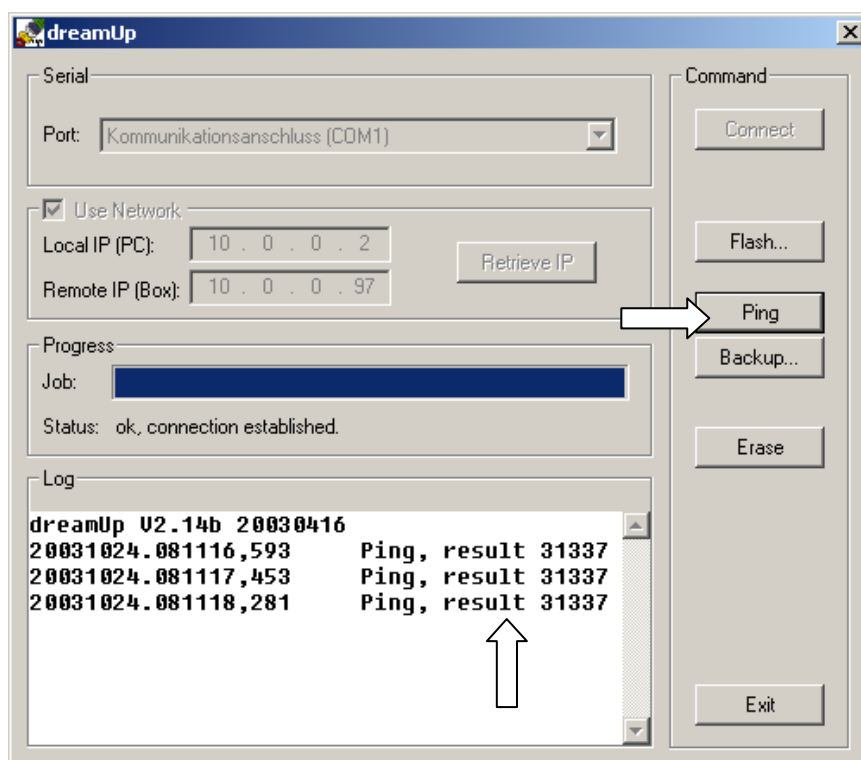
Dreamup tells you, that the Connection is prepared
Plug in NOW the Mainspowercord into the Dreambox.



After DreamUp has connected to the Dreambox, the other Buttons appear in black letters. You can now use them.

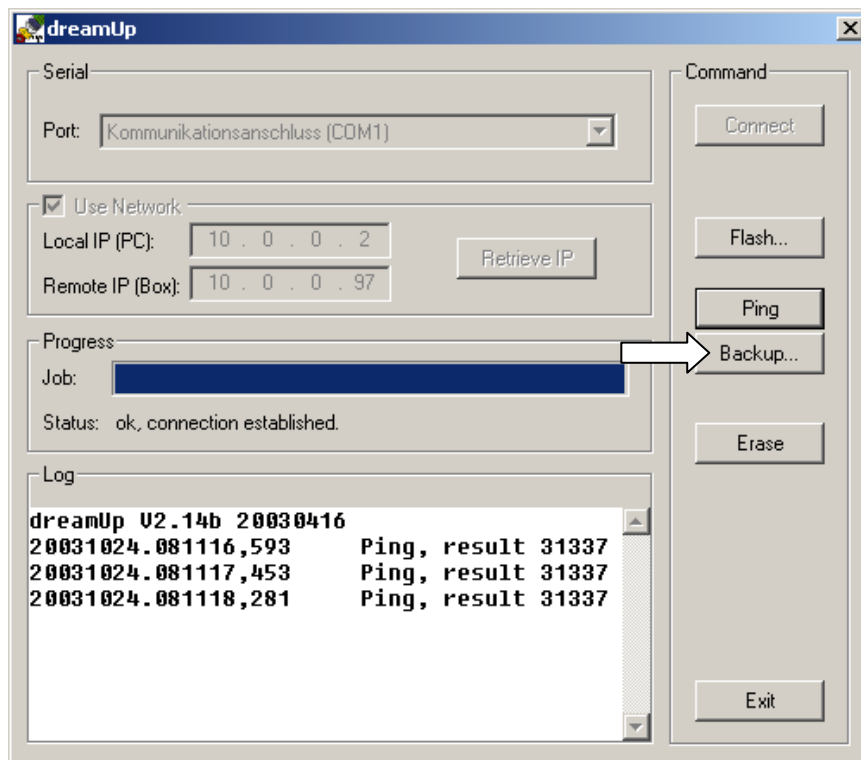


Click on the Ping-Button to test the Ethernet Connection. You will notice the Ping result in the Log window. If not, please check your Network configuration.

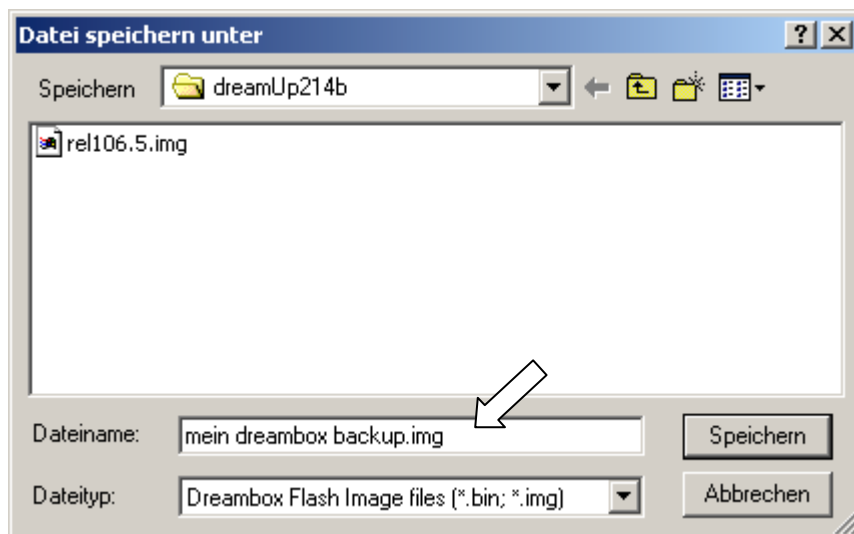


43.3. DreamUp - Backup Software

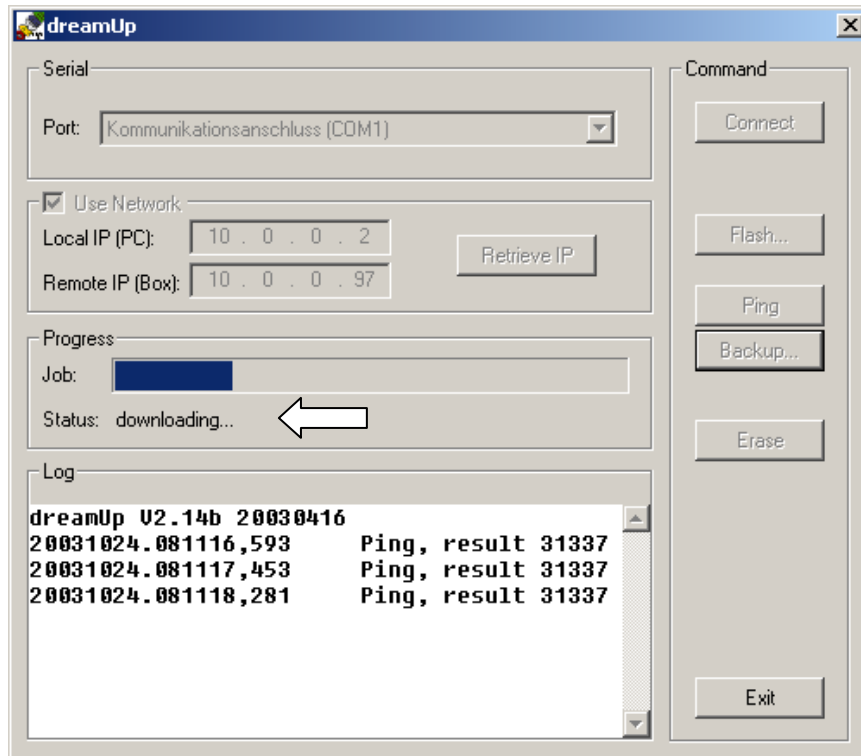
Clicking on the Backup-Button saves the complete installed Software with all your settings.



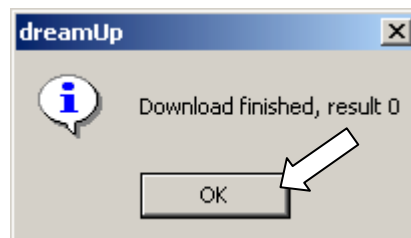
The file window opens. Type in any name of your choice plus the extension .img or .bin.



After clicking on the Save-Button the Software will be downloaded from your Dreambox.
Watch the Progress bar and Status.



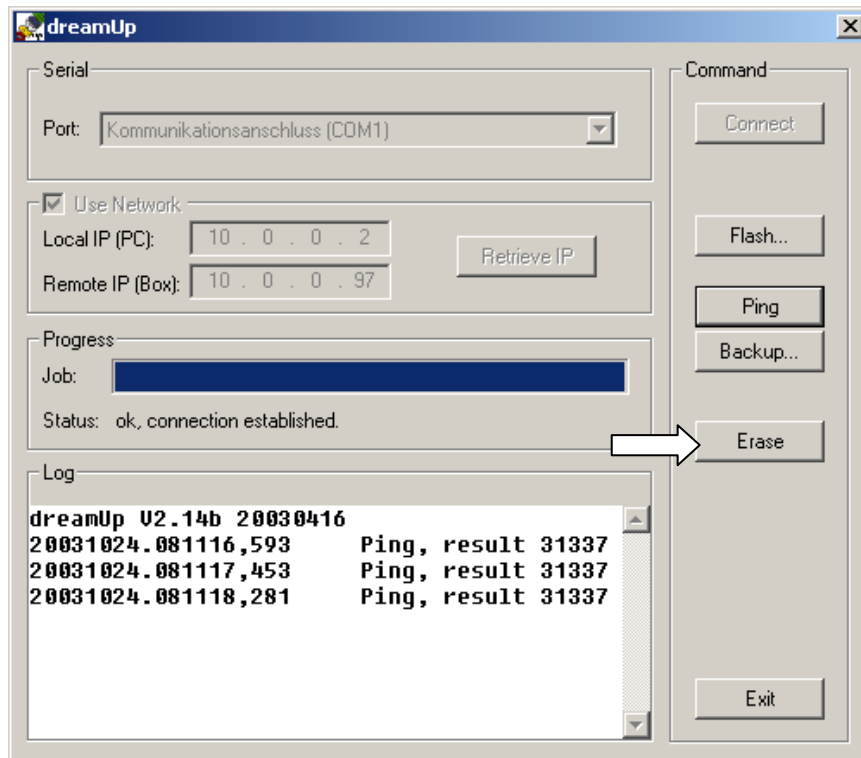
You get a message from Dreamup after downloading has been finished.
With result 0, everything is ok.



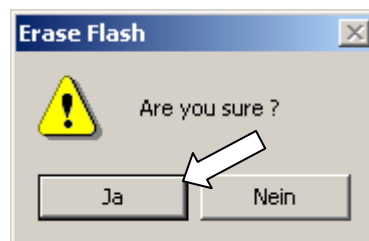
Click on the OK-Button to quit.

43.4. DreamUp - Erasing Software

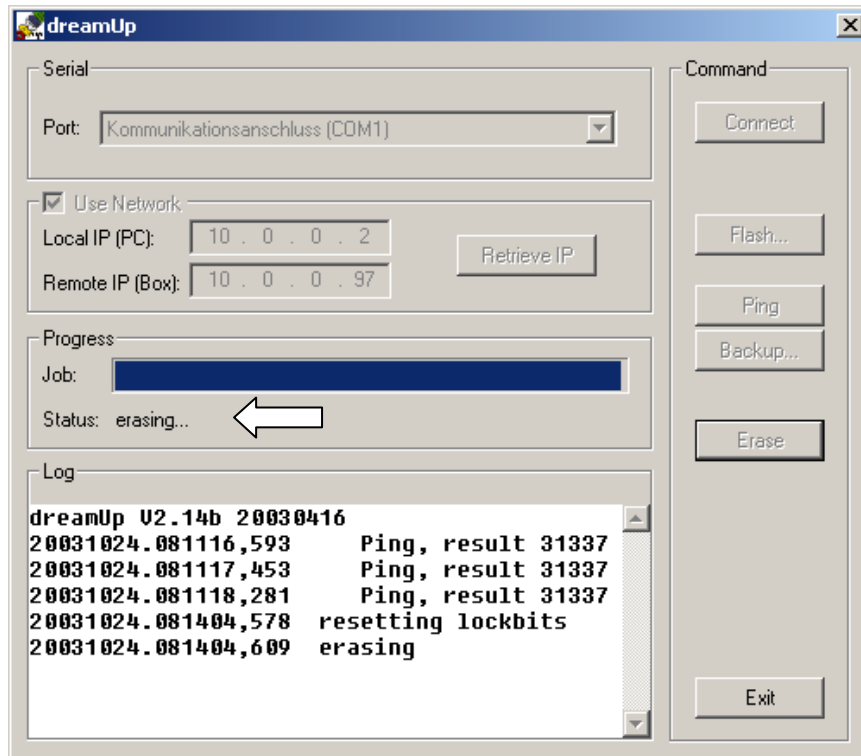
Click on the Erase-Button to erase the currently installed Software.
This is sometimes, but not always necessary.



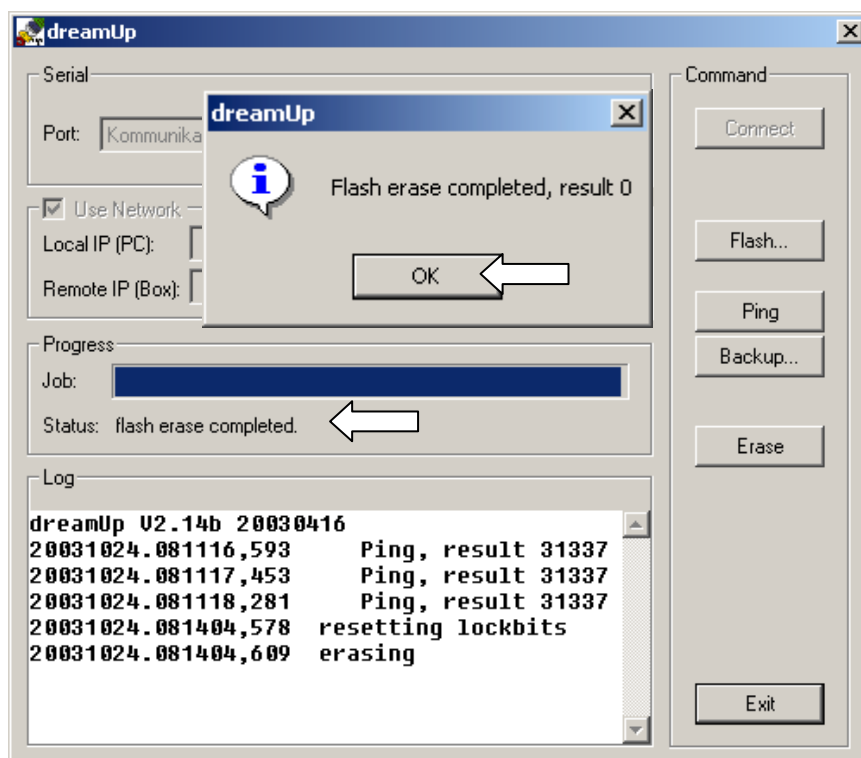
You will get a security question from DreamUp, if you are sure. Click on the Yes-Button.



Watch the Progress bar and Status.

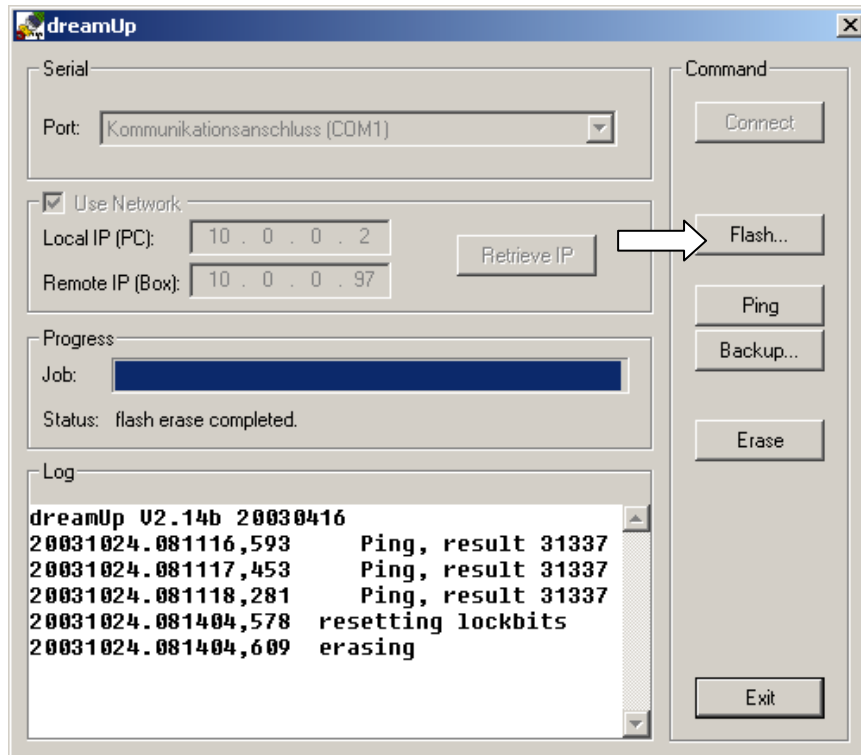


After erasing the Software, Dreamup tells you that everything is ok with a flash erase result 0. Click on the OK-Button to quit.

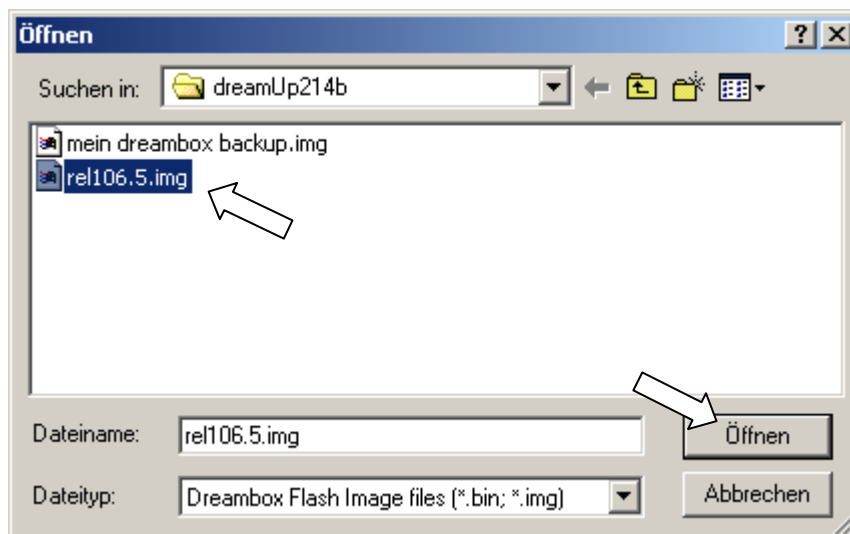


43.5. DreamUp - Flashing Software

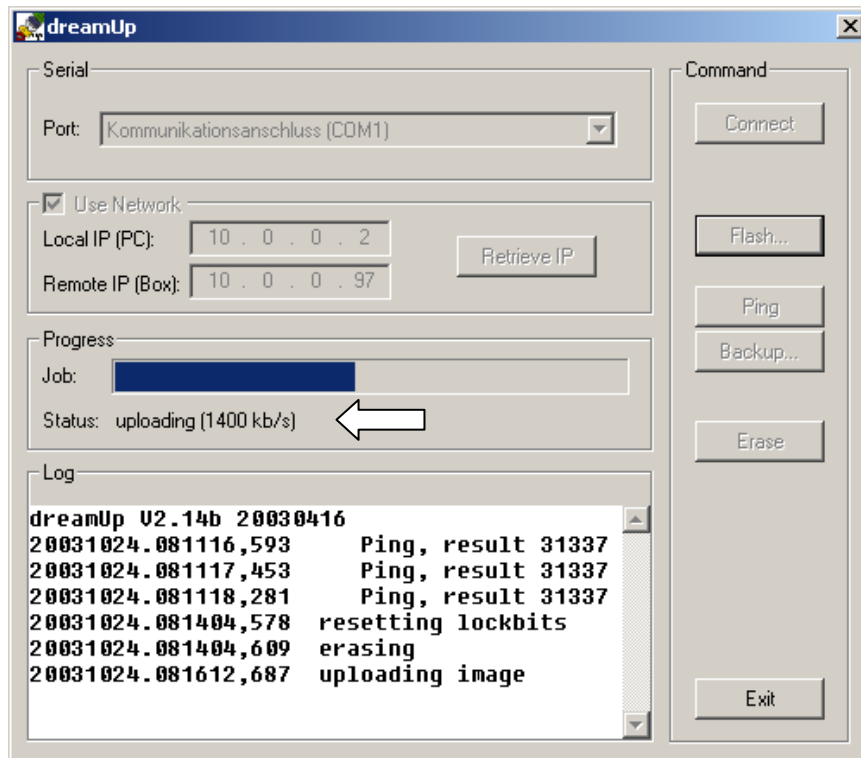
Click on the Flash-Button to select an Imagefile (Software).



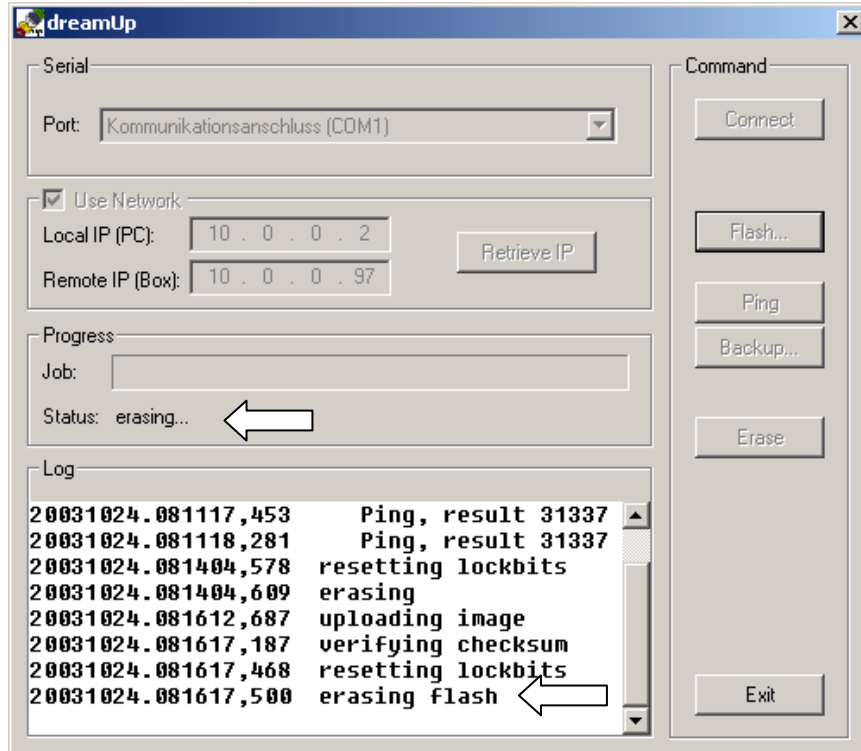
Choose an imagefile and click on the Open-Button.



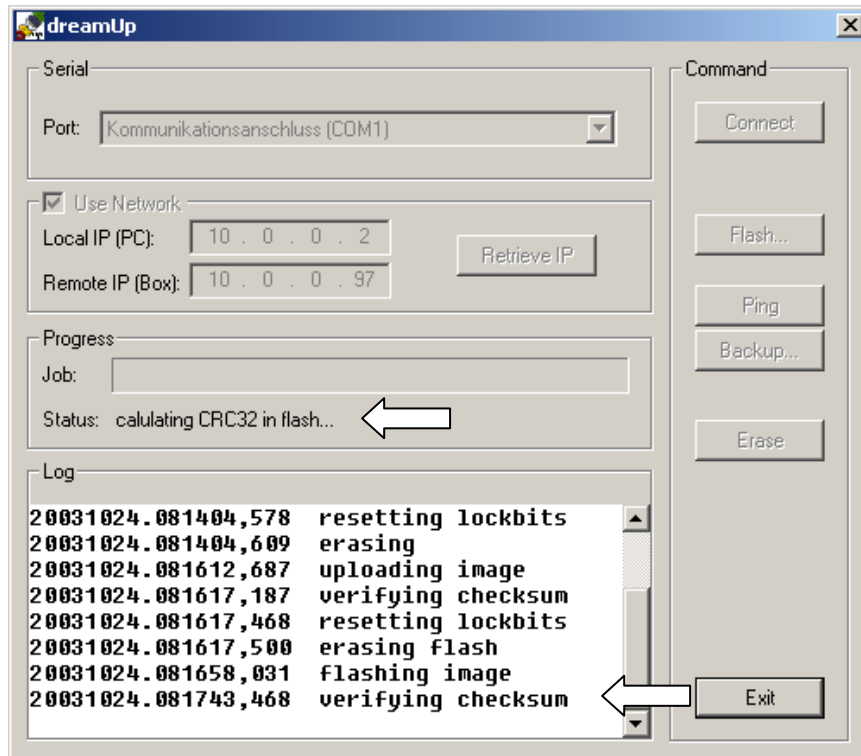
After clicking on the Open-Button, the image will be immediately uploaded to the Dreambox.
Watch the Progress bar, the Status and Log window.



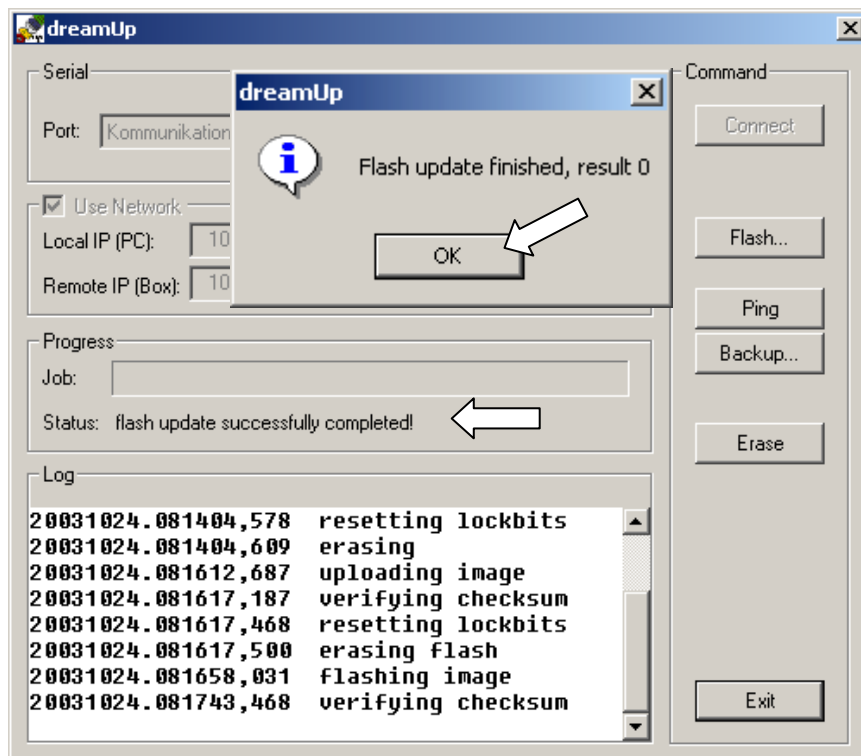
After the upload is completed the flash will be erased.
Watch the Status and Log window.



The image will be verified after flashing.



The flash procedure is completed, if you get a Flash update finished result 0.
Click on the OK-Button to quit.



43.6. Dreambox resetting to factory defaults (flash erase)

Your Dreambox is now flashed with a new image (Software).

Click on the Exit-Button to close Dreamup.

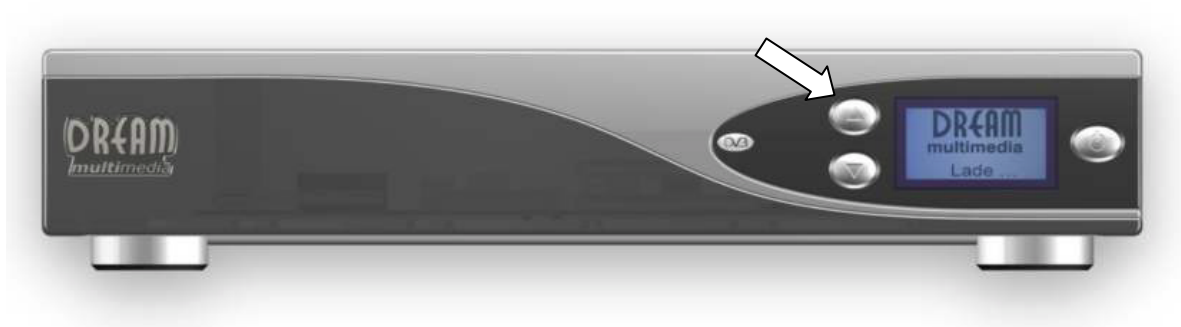
Disconnect the Mainspowercord from the Dreambox.

Wait at least 30 seconds.

Plug in the Coaxcable first, then the Scartcable and all other cables.

Turn on the TV and set it to AV

Plug in NOW the Mainspowercord.



As soon as you see the Dream-Logo on the TV-Screen, press the Channel-Up-Button at the Front of the Dreambox. Hold it down until you see "flash erase" inside the LCD and then release it.

Your Dreambox will be set to factory defaults.

Note:

There is no need for a flash erase after flashing the official Software since Release 1.06.

44. Dreambox Hardware reset

To make a hardware reset, press all three Buttons at the same Time.



45. Technical Data

250 MHz IBM PowerPC Processor (350 Mips)
Linux open source (most parts under the terms of GPL, accordingly expandable)- Supports Linux Standard API (Direct-FB, Linux-FB, LIRC)
1 x DVB Common-Interface Slot
2 x Smartcard-Reader
Integrated Compact Flash Interface Slot
MPEG2 Hardware decoding (fully DVB compliant)
Common available NIMs (DVB-S, DVB-T, DVB-C)
100 MBit full duplex Ethernet Interface
USB Port Keyboard, Pointing Devices, WebCams and other devices
V.24/RS232 Interface
Big-size LCD-Display
64 MByte of RAM
integrated IDE UDMA66 Master/Slave Interface
Support for internal HDD in any capacity up to 120GB
unlimited channel lists for TV/Radio
channel-change time < 1 second
full automatic service scan
supports directly bouquet-lists (indirect unlimited)
supports EPG (electronic program guide)
supports videotext (insertion)
various applications such Web-Browser or Mail-clients
supports multiple LNB-Switching control (supports DiSEqC)
fully adaptable OSD in many languages (skin-support)
SPDI/F Interface for digital bit stream out (AC-3 / DTS)
2 x Scart-interfaces (fully controlled by software)
MINI-DIN connector for extern IR (send/receive) and I2C for extern Rotor devices
intern send/receive IR (Videorecorder)

DBS-Tuner:

Frequency Range 950 2150 MHz
Signal Level - 65 dBm - 25 dBm
Signal-to-Noise Level 12 dB max.
DBS-Tuner Input Connector F-Type female
Input Impedance 75 Ohm
AFC +/- 3 MHz
Demodulation Shaped QPSK
Input Symbol rate 2 45 Mbaud/s, SCPC / MCPC
FEC Viterbi and Reed-Solomon
Viterbi rate 1/2, 2/3, 3/4, 5/6, 7/8, automatic assimilation
Roll-off Factor 35 %
Demultiplexing according ISO 13818-1

Common-Interface:

Common-Interface Power Consumption max. 0,3A/5V

Video decoder:

Video Compression MPEG-2 and MPEG-1 compatible
Video Standard PAL G/ 25 Hz
Video Formats 4:3 / 16:9
Footage 16:9, automatic assimilation for 16:9 TV-Device (over Scart)
Letterbox precolating for 4:3 TV-Device

Audio decoder:

Audiocompression MPEG-1 & MPEG-2 Layer I and II
Audio Mode Dual (main/sub), Stereo
Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

Output analog:

Output Level L/R 0,5 Vss on 600 Ohm
THD > 60 dB (1 kHz)
Crosstalk < -65 dB

Output digital:

Output Level 0,5 Vss on 75 Ohm
Sampled Data Filtering 32 kHz, 44.1 kHz, 48 kHz
S/PDIF-Output optical (AC3)

Video parameter:

Input Level FBAS 1 Vss +/- 0.3 dB on 75 Ohm
Teletext filter in conformity with ETS 300 472 Standard

TV-Scart:

Output: FBAS,RGB,S-VHS over OSD selectable

VCR-Scart:

Input: FBAS,RGB,S-VHS
Output: FBAS,S-VHS

Serial Interface RS 232:

Typ RS232 bidirectional
Bitrate 115,2 kBit/s max.
Plug Connector SUB-D-9
Function Update of Firmware and Preprogramming

Ethernet:

100 MBit compatible, bi-directional interface
Function Update of Firmware and Preprogramming

USB:

USB 1.2 connector

Mini DIN:

I2C for steering of external devices (Option Rotor)
IR funktion

Pins:

- 1 5V
- 2 SDA (I2C-Kanal 2)
- 3 SCL
- 4 3,3V
- 7 GND
- 8 IR-Output
- 9 GND

UDMA66 IDE Interface:

Intern for connect HDD max. 500mA
up to 300 GB capacity till release 1.07.4
Compact Flash - Reader

LNB power and polarisation:

LNB Current 500mA max. ; short-circuit-proof
LNB Voltage vertical < 14V without load, > 11,5V at 400mA
LNB Voltage horizontal < 20V without load, > 17,3V at 400mA
LNB shut-off at Standby-Mode

Count of active satellite position:

DiSEqC 1.0/1.2 SAT POSITION / SAT OPTION
DiSEqC - Rotor Control

Power consumption:

< 20W (in operation, horizontal polarization / 400mA LNB current)

< 11W (in operation, without LNB)

Input voltage:

110 - 230V / 50,60 Hz alternating acurrent +/- 15%

Physical specification:

Ambient Temperature +15°C...+35°C

Humidity < 80%

Size (W x D x H): 374 mm x 230 mm x 75 mm

Weight: 1,8 kg without HDD

46. Contact & Support Information**Headquarter & Distribution:**

Dream-Multimedia-Tv GmbH
Pierbusch 24
44536 Lünen
Germany

Dealer Hotline:

(only Dealer)

Tel: 0180 - 3 68 43 98 - 000

Fax: 0180 - 3 68 43 98 - 001

Mo - Fr. 10:00 am - 05:00 pm

Technicial Hotline:

Tel: 0180 - 3 68 43 99 - 777

Fax: 0180 - 3 68 43 99 - 778

Mo - Fr. 09:00 am - 12:00 pm and 01:00 pm - 04:00 pm

Dealers & Pricing:

E-Mail: info@dream-multimedia-tv.de

Technical Support:

E-Mail: support@dream-multimedia-tv.de

Website:

Weblink: <http://www.dream-multimedia-tv.com>

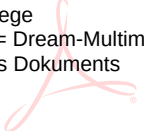
Support Forum:

Weblink: <http://www.dream-multimedia-tv.de/board/index.php>

Software Support (actual images):

Weblink DM7000: <http://www.dm7000.com>

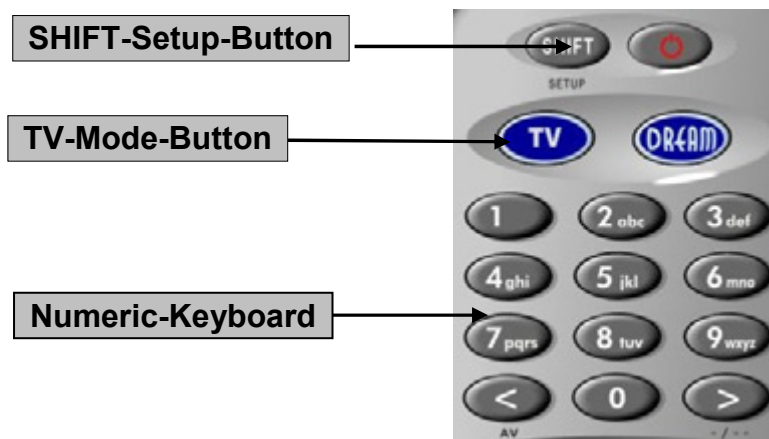
Digital unterschrieben von Daniel Doege
CN: CN = Daniel Doege, C = DE, O = Dream-Multimedia-Tv GmbH, OU = Support
Ursache: Ich bin der Verfasser dieses Dokuments
Speicherort: Lünen
Datum: 2004.03.26 01:52:25 +01'00'



47. Setup-TV-Mode

Choose a code from the TV - Codelist for your TV and follow this procedure to program the Remote Control for your TV.

TV-Mode-Button → **SHIFT-Setup-Button** → digit → digit → digit → digit



47.1. Programsequence

- Press the TV-Mode-Button.
- Press the SHIFT-Setup-Button for at least 2 seconds, the TV-Mode-Button blinks two times.
- Enter each digit step by step. The TV-Mode-Button blinks after each digit. A valid code will be confirmed by blinking two times the TV-Mode-Button.
- The Remote Control exits the Program sequence automatically.
- If you don't enter a digit for at least 10 seconds, the Remote Control exits the Program sequence automatically.

48. TV - Codelist

A.R. Systems	0067 0382	Black Star	0277
Accent	0067	Blacktron	0312
Admiral	0117 0123 0448 0243 0294	Blackway	0312
Adyson	0247 0246	Blaupunkt	0221 0225 0230 0243 0357 0358
Agashi	0246		0348
Agazi	0294	Blue Sky	0248 0312 0485 0067 0517 0698
AGB	0546	Blue Star	0312
Agef	0117	Bondstec	0277
Aiko	0246 0039 0067 0401 0065 0463	Boots	0247
	0102 0391 0221 0294 0247	BPL	0312 0067
Aim	0067	Brandt	0531 0139 0429 0235 0267 0363
Akai	0391 0238 0401 0067 0463 0221		0226 0228 0317 0365
	0065 0039 0102 0248 0193	Brinkmann	0448 0067 0549
	0546 0586 0578 0510 0247	Brionvega	0067 0117
	0661 0246 0294	Britannia	0246 0247
Akiba	0248 0312 0485 0067	Brother	0294
Akura	0248 0389 0312 0039 0442 0294	Bruns	0117
	0067	BSR	0193 0324
Alba	0248 0265 0039 0448 0400 0385	BTC	0248
	0401 0067 0246 0277 0193	Bush	0248 0265 0193 0379 0039 0066
	0517 0066 0698 0609		0312 0067 0385 0401 0404
Alcyon	0106		0549 0294 0391 0517 0238
Allorgan	0236 0324 0247		0324 0247 0698
Allstar	0067	Capsonic	0294
Amplivision	0247 0430 0350 0400	Carad	0640 0067
Amstrad	0039 0546 0294 0248 0401 0463	Carena	0485 0067
	0442 0067	Carrefour	0066 0100
Anglo	0039 0294	Cascade	0039 0067
Anitech	0039 0106 0294 0067	Cathay	0067
Ansonic	0400 0132 0039 0067 0404 0193	CCE	0067
	0353 0441 0289 0277 0042	Centurion	0067
	0458	Century	0117 0243 0277 0268
Apollo	0503	CGE	0104 0114 0336 0106 0277 0193
Arc en Ciel	0429 0531 0139 0226 0363 0228		0448 0400
Arcam	0246 0429 0247	Cimline	0039 0265 0248
Aristona	0067 0586 0042	City	0039
Arthur Martin	0193 0430	Clarivox	0448 0100
ASA	0135 0376 0100 0134 0117	Clatronic	0248 0294 0400 0401 0247 0106
Asberg	0067 0106		0277 0067 0039 0132 0350
Asora	0039		0609
Asuka	0248 0294 0246 0312 0247	Clayton	0415
Atlantic	0067 0246 0236 0289 0350	CMS Hightec	0247
Atori	0039	Concorde	0039
Auchan	0193 0430	Condor	0246 0277 0312 0350 0067 0400
Audiosonic	0067 0139 0247 0400 0367 0294		0039 0132 0441 0448
	0248 0458	Contec	0246 0039 0187 0041 0066
Audioton	0247 0400 0294	Continental Edison	0531 0139 0267 0226 0228 0429
Ausind	0106		0363 0235 0317 0517
Autovox	0117 0236 0267 0106 0379 0247	Cosmel	0039 0367
	0277 0366	Crezar	0243
Awa	0041 0066 0039 0187 0404 0442	Crosley	0117 0277 0104 0114 0106 0193
	0067		0243
Ayomi	0268	Crown	0039 0400 0106 0067 0389 0609
Baird	0139 0373 0102 0247 0238		0448 0238 0517
Barco	0410 0193	CS Electronics	0277 0246 0248
Basic Line	0248 0039 0404 0067 0597 0193	CTC	0277
	0312	Cybertron	0248
Bastide	0247	Daewoo	0039 0067 0246 0404 0248 0247
Baur	0333 0225 0542 0067 0221 0391	Dainichi	0248 0246
	0379 0535 0040	Dansai	0067 0294 0065 0246
Bazin	0247	Dansette	0442
Beko	0400 0067	Dantax	0400
Beon	0067 0448	Datsura	0238
Best	0367 0400	Dawa	0067
Bestar	0067 0400 0404	Daytron	0039 0404 0067
Binatone	0247	Decca	0102 0546 0067 0247
		General Technic	0039
Deitron	0067	Genexxa	0248 0067 0442
Denko	0294	Germanvox	0243
Desmet	0350 0067	Goldhand	0246
Diamant	0067	Goldline	0367
Digiline	0067	GoldStar	0067 0400 0039 0247 0277 0246
Dixi	0039 0067 0277 0247		0193 0391
Domland	0424	Goodmans	0066 0102 0067 0039 0294 0546
Drean	0067		0404 0517 0401 0586 0373
DTS	0039		0265 0065 0510 0590 0247

Dual	0379 0247 0373 0289 0366 0549	Gorenje	0365
	0067 0382 0424 0429 0333	GPM	0400
Dumont	0117 0134 0132 0243 0247 0100	Gradiente	0248
	0102	Graetz	0067 0083
Dux	0067 0042	Granada	0391
Dynatron	0067		0067 0430 0256 0389 0042 0102
Elbe	0465 0268 0289 0400 0193 0067		0138 0238 0247 0106 0066
	0248 0221 0441 0640		0546 0503 0365 0590
Elcit	0117 0277 0546 0132 0193	Grandin	0312 0248 0430 0067 0039 0350
Elekta	0294 0312		0193 0485 0609 0640
Elin	0246 0067 0135 0134 0578 0391	Gronic	0247 0132
	0379 0193 0039	Grundig	0225 0221 0517 0100 0106 0235
Elite	0248 0067		0267 0067 0586
Elman	0132	Halifax	0294 0246 0247
Elta	0039 0294	Hampton	0246 0247
Emerson	0243 0117 0277 0067 0401 0100	Hanimex	0324
	0312 0350	Hanseatic	0067 0312 0379 0193 0391 0424
Emperor	0312		0243 0350 0458 0400 0039
Erres	0067 0042		0324 0247 0549
Etron	0067 0039 0193	Hantarex	0039 0243 0067 0132
Euro-Feel	0294	Hantor	0067
Europa	0067	Harwood	0039 0442 0067
Europhon	0067 0546 0132 0243 0247 0277	HCM	0294 0039 0312 0442 0247 0248
	0193		0448 0067
Expert	0236 0430 0289 0193	Hema	0247 0039
Exquisit	0067 0277	Hemmermann	379
Fenner	0404 0039	Hifivox	0531 0139 0226 0429
Ferguson	0317 0365 0268 0139 0590 0655	Hikona	0248
Fidelity	0246 0401 0193 0294 0067	HiLine	0294 0067
Filsai	0247	Hinari	0238 0066 0067 0248 0039 0193
Finlandia	0238 0376 0389 0578 0391		385 0473 0517 0265 0324
Finlux	0135 0134 0067 0376 0247 0102	Hisawa	0312 0248 0430 0485
	0193 0106 0546 0100 0117	Hit	117
	0132 0441 0661 0522	Hitachi	0255 0066 0379 0503 0193 0373
Firstline	0324 0351 0246 0067 0404 0415		0226 0228 0247 0336 0224
	0277 0039 0193 0132 0247		0546 0102 0067 0135 0586
	0441 0379 0561 0268 0102		0180 0578
	0265 0698 0238	Hitsu	039 0485 0248
Fisher	0134 0247 0066 0238 0400 0585	Hornophone	0067 0042
	0117 0187 0391 0193 0333	Hoshai	0248 0485
	0379 0102	Huanyu	0404 0246
Flint	0067 0485 0102 0248	Hygashi	0247 0246
FNR	0132	Hyper	0039 0246 0247 0277
Formenti	0117 0243 0246 0350 0193 0106	Hypersonic	0391
Fortress	0123 0117	Hypson	0067 0294 0247 0312 0485 0430
Fraba	0400 0067		268
Friac	0039 0067 0132	Iberia	067
Frontech	0277 0294 0379 0247 0039	ICE	294 0247 0067 0401 0248 0246
Fujitsu	0236 0102 0132 0247 0193		039
Fujitsu General	0039	Ices	248 0246
Funai	0294 0324	Imperial	0067 0277 0400 0448 0193 0561
Galaxi	0132 0067		104 0114 0106 0379 0226
Galaxis	0400 0448 0067 0132	Indesit	267 0243
GBC	0243 0193 0039 0404 0248	Indiana	0067
GE	0590 0139 0317 0365 0373	Ingelen	0517 0640
Geant Casino	0193 0430	Inno Hit	0039 0102 0067 0248 0247 0106
GEC	0102 0193 0391 0235 0546 0067		546 0277
	0247 0379	Innovation	0549
Geloso	0243 0277 0039 0193 0404	Interactive	0441
General	0139 0317 0501	Interbuy	0039 0294 0277
Interfunk	0067 0042 0117 0542 0357 0193	Matsui	0265 0039 0385 0041 0102 0066
	391 0400 0531 0139		067 0586 0517 0247 0324
Internal	0067		401 0463 0473 0609 0485
Intervision	0312 0247 0485 0067 0401 0549		379 0546 0065 0193 0238
	400 0424 0517 0248 0132		225 0221 0365
	193 0294 0277	Mediator	0067 0586 0042
Irradio	039 0067 0248 0277 0106	Medion	0067 0698 0549
Isukai	248 0067 0312	Megas	0640
ITC	247	Melvox	0430
ITS	067 0401 0248 0312 0294 0246	Memorex	0039
ITT	193 0510 0379 0391 0503 0578	Memphis	0367 0102 0039 0415
	597 0376 0238	Mercury	0067 0039
ITV	294 0067 0277	Metz	0117 0225 0243 0221 0397
Jea	066	Micromaxx	0067 0698
JEC	065	Minerva	0517 0225 0100 0106 0221 0267
JVC	0683 0083 0066 0401 0248	Minoka	0442 0067 0389
Kaisui	0248 0312 0067 0246 0485 0247	Mitsubishi	0138 0180 0542 0067 0117 0066
	039		267
Kamp	0246	Mivar	0400 0106 0246

Kapsch	0236 0193 0391 0289 0134	Monaco	0039
Karcher	0067 0400 0312 0132 0640 0294	Motion	0106
KB Aristocrat	0193	MTC	0400 0379 0542
Kendo	0265 0277 0132 0067 0458 0400	Multistandard	0132
	441 0640	Multitec	0067 0698
Kennedy	0236 0243 0193 0465	Multitech	0247 0379 0039 0246 0277 0132
Kingsley	0246		400 0067
Kneissel	0465 0289 0400 0268 0067 0441	Murphy	0134 0246 0102 0193
	640	NAD	0391
Kolster	0067	Naiko	0067
Konka	0248 0401 0067	Nakimura	0404 0067
Kontakt	0517	National	0267 0244 0256
Korpel	0067	NEC	0066 0350 0485 0039 0404 0247
Korting	0117 0400 0350		0067
Kosmos	0067	Neckermann	0067 0221 0400 0535 0040 0230
Kotron	0442 0294		0586 0193 0357 0448 0379
Kraking	0268		0117 0243 0277 0247 0441
Kyoshu	0294 0442	NEI	0067 0367 0401
Kyoto	0415 0193	Nesco	0277
Lemair	0441	Network	0367
Lenco	0039 0134 0193 0067	Neufunk	0067 0039 0586 0640
Lenoir	0039	New Tech	0067 0039 0586 0373 0247
Lesa	277	New World	0248
Leyco	0294 0102 0067 0324 0609	Nicamagic	0246
LG	067 0400 0039 0247 0277 0246	Nikkai	0102 0248 0067 0247 0294 0065
	193 0391		0367 0246 0039 0066
Liesenkotter	0067 0357 0358	Noblex	0067 0294
Lifetec	0039 0294 0549 0067 0404 0248	Noblisko	0132 0106 0100 0246
	698	Nogamatic	0429 0531 0139 0226
Lloyd's	0039	Nokia	0391 0193 0510 0379 0578 0522
Loewe	0542 0067 0117 0400		0389 0503 0238 0404 0661
Logik	0041 0401		0376
Logix	0698	Nordmende	0139 0531 0317 0429 0226 0373
Luma	0236 0067 0193 0289 0441 0404		0228 0243 0605 0590 0225
	039		0067 0365
Lumatron	0236 0067 0193 0289 0391 0247	Novatronic	0067 0135
	0294	Oceanic	0597 0193 0430 0391 0324 0238
Lux May	0067 0039	Okano	0400 0067 0294 0102
Luxor	0224 0267 0510 0522 0379 0391	Omega	0294
	238 0578 0193 0376	Onwa	0401 0248 0463
Madison	0067	Opera	0067
Magnadyne	0117 0277 0546 0132 0193	Orbit	0067
Magnafon	0546 0243 0106 0132 0246	Orion	0265 0324 0350 0385 0041 0067
Mandor	0294		0039 0351 0132 0473 0586
Manesth	0067 0265 0247 0294 0350 0065		0685 0294 0442
	324	Online	0067 0248
Manhattan	0067	Ormond	0415 0698
Marantz	0067	Osaki	0102 0248 0247 0294 0067 0442
Marelli	0117		0404
Mark	0067 0247 0246 0404 0039	Osio	0067
Masuda	0248	Oso	0248
Osume	0187 0102 0066 0248	Reflex	0067
Otto Versand	0040 0535 0066 0123 0542 0067	Revov	0067 0400
	0586 0225 0379 0221 0391	Rex	0236 0441 0277 0193 0289
	0265 0139 0243 0324 0256	RFT	0117 0400 0458 0102 0294
	0277 0333 0350 0247	Roadstar	0039 0294 0248 0448
Pael	0246	Robotron	0117
Palladium	0400 0067 0221 0535 0040 0230	Royal Lux	0400 0442
	0448 0586 0277 0357 0379	Saba	0317 0243 0117 0429 0193 0139
	0117 0193 0243 0247 0441		0531 0546 0373 0391 0528
	0685		0226 0228 0365 0235 0655
Palsonic	0294 0442 0067		0578
Panama	0039 0247 0294 0246 0067 0277	Sagem	0485 0640 0312
Panasonic	0256 0680 0280 0244 0243 0391	Saisho	0265 0546 0039 0041 0247 0193
	0267 0397 0546 0067 0193		0294
	0578	Salora	0224 0379 0193 0389 0391 0546
Panavision	0067 0441		0578
Pathe Cinema	0193 0268 0246 0430 0350 0379	Sambers	0243 0546 0106 0132
Pathe Marconi	0235 0243 0531 0139 0226 0228	Samsung	0067 0586 0617 0039 0247 0400
	0363 0429 0267		0294 0246 0102 0238
Pausa	0039	Sandra	0246 0247
Perdio	0102 0350 0193 0067	Sanela	0268
Perfekt	0067	Sansui	0067 0401
Pershin	0430	Sanyo	0238 0187 0066 0041 0400 0102
Philco	0117 0114 0104 0448 0106 0243		0246 0247 0134 0243 0039
	0277 0193 0400 0067		0193 0067 0585
Philharmonic	0247	Save	0067
Philips	0586 0067 0042 0353 0221 0117	SBR	0067 0586 0042
	0373	Schaub Lorenz	0379 0578

Phoenix	0067 0117 0350 0400 0415 0246 0193 0102	Schneider	0067 0586 0042 0333 0379 0549 0424 0382 0366 0289 0353 0373 0247 0277 0401 0248 0391 0193 0698
Phonola	0067 0586 0042 0117 0246	SEG	0247 0294 0039 0277 0066 0132 0193 0067 0246 0698 0517
Pioneer	0067 0458 0400 0373 0391 0139 0400	SEI	0117 0132 0040 0193 0546 0379 0243 0324 0236 0067
Pionier	0067 0294 0039	Seleco	0236 0289 0193 0441 0039
Plantron	0247	Sencora	0065 0248 0039
Playsonic	0039	Sentra	0485 0640
Poppy	0404	Serino	1223 0123 0187 0066 0324 0683 0083
Portland	0277 0546 0391 0243 0106	Sharp	0324
Prandoni-Prince	0247	Shorai	0067
Precision	0039 0294	Siam	0193 0117 0132 0243
Prima	0102 0379 0224	Siarem	0221 0230 0225 0243 0357 0358 0187 0067
Prinz	0039 0193	Siemens	0067 0586 0042 0400
Proflex	0351 0102 0067 0042 0655	Sierra	0246 0067
Proline	0067 0244 0246 0400 0404 0609 0401	Siesta	0066 0391
Prosonic	0067 0247 0039 0277 0379 0132 0294 0448 0367 0698	Silver	0117 0132 0277 0430 0465 0039
Protech	0067	Singer	0117 0265 0132 0243 0324 0193 0391 0546 0379 0040 0236 0067
Provision	0067 0586 0042 0117	Sinudyne	0350
Pye	0039	Sogera	0391 0102 0193 0578
Quadra Vision	0430	Solavox	0238 0400 0247 0067
Quasar	0277	Sonitron	0067 0039 0294 0312 0247
Quelle	0067 0040 0041 0531 0139 0542 0379 0221 0391 0066 0247 0277 0104 0114 0357 0336 0100 0134 0135 0187 0225 0230 0243 0294 0698	Sonneclair	0238 0597 0193 0430 0535 0040 0578
Questa	0066	Sonoko	0067 0400 0324
R-Line	0067	Sonolor	1535 1040 1681 0535 0040 0041 0030 0066 0132 0681 0104
Radialva	0139 0248 0193 0067	Sontec	0132 0248 0404
Radiola	0067 0586 0042 0353	Sony	0067 0350 0448 0039
Radiomarelli	0117 0546 0277 0067	Sound & Vision	0248 0039 0247 0350 0067 0404
RadioShack	0067	Soundwave	
Radiotone	0039 0067 0458 0400 0609 0448 0294 0442	Ssangyong	
Rank	0100	Standard	
RCA	0590 0655 0365	Unic Line	0067 0503
Recor	0067	United	0067
Rediffusion	0391 0578 0066	Universum	0376 0135 0225 0503 0391 0277 0522 0510 0400 0230 0448 0041 0542 0324 0066 0187 0100 0193 0294 0134 0067 0441 0104 0336 0243 0357 0358 0040 0535 0106 0379 0247 0531 0139 0367 0661 0698
Redstar	0067	Univox	0367 0117 0067 0193 0268
Starlite	0039 0193 0067 0294	Vestel	0067 0193 0247
Stenway	0312 0248	Vexa	0039 0067
Stern	0236 0289 0193	Videologique	0246 0248 0247
Strato	0067 0294 0039	VideoSystem	0067
Sunkai	0324 0385 0351 0485 0248 0265 0067 0517 0401 0067 0039	Videotechnic	0246 0350 0247
Sunstar	0067 0039	Videoton	0193
Sunwood	0546 0246	Vidikron	0132
Superla	0039 0067 0246 0586	Viper	0367
Supertech	0404 0039	Visiola	0246
Supra	0365	Vision	0067 0350
Sutron	0039	Vistar	0236 0391
Swissline	0277	Vortec	0067
Sydney	0246 0247	Voxson	0117 0106 0067 0448
Sytong	0246	Waltham	0247 0448 0317 0415 0067
Tandberg	0397 0441 0139 0367 0226 0391	Watson	0067 0350 0193 0248 0243 0609 0549 0424 0039 0698
Tandy	0248 0102 0247 0277 0123	Watt Radio	0243 0132 0379 0193 0246
Tashiko	0066 0247 0246 0389 0193	Wega	0243 0066 0117 0067
Tatung	0102 0546 0247 0067 0041	Wegavox	0039
Teac	0067 0542 0485 0294 0039 0442 0379	Weltblick	0067 0350
TEC	0247 0039 0277 0501 0365 0367 0289	White Westinghouse	0350 0246 0067 0367 0442
Tech Line	0067 0698	Winco	0312
Technema	0350	Windstar	0067
Technisat	0685	Xrypton	0067
Tedelex	0247	Yamishi	0312 0485 0248 0067 0247
Teleavia	0139 0531 0317 0226 0429 0235 0363 0520	Yokan	0067
Telecor	0067 0193 0248 0247 0289 0424		
Telefunken	0139 0531 0528 0501 0429 0317 0104 0114 0131 0365 0292 0336 0373 0226 0067 0655		
Telefusion	0067		
Telegazi	0067 0193 0289 0248 0294		
Telemeister	0350 0067		

Telesonic	0067	Yoko	0247 0067 0248 0294 0039 0400
Telestar	0067		0246
Teletech	0039 0277 0367 0067 0698	Yorx	0248
Teleton	0247 0236 0193 0379 0289 0066	Zanussi	0236 0247
Televideon	0350 0193 0246		
Televiso	0430		
Temco	0324		
Tempest	0039		
Tensai	0134 0248 0067 0247 0324 0350		
	0039 0135 0404 0401 0277		
Tenson	0350 0039		
Tevion	0549 0067		
Textet	0247 0404 0039		
Thomson	0317 0429 0139 0531 0363 0501		
	0365 0226 0228 0235 0267		
	0373 0067 0520 0590 0655		
Thorn	0268 0104 0114 0067 0134 0365		
	0542 0389 0404 0065		
Tokai	0102 0067 0367 0193 0247 0404		
	0039		
Tokyo	0246 0065		
Tomashi	0312 0248		
Toshiba	0065 0538 0273 0066 0100 0132		
	0247		
Towada	0379 0132 0247		
Trans Continens	0247 0067		
Trident	0546 0247		
Tristar	0248		
Triumph	0546 0376 0586 0067 0273		
Uher	0106 0067 0236 0350 0333 0404		
	0448 0400 0289		
Ultravox	0117 0132 0404 0277 0246 0193		
	0243 0067		

DREAM - Service-paper

Please fill out this form clearly and completely. Send it back to your dealer/distributor of your country.

It is very important that you write in clear letters - this accelerates the procedure and makes it more simple.

Without a copy of the original invoice no service will be effected.

Please do only return defective parts (no accessories) - please keep the harddisk installed

Customer-no.	_____	Date of return:	_____
Name/Company	_____		
Responsible person:	_____	Telephone:	_____
Street:	_____	Fax:	_____
Country/Zip code/Place	_____	E-mail:	_____
Returned article:	_____	Serial-no.:	_____
(name of type)			
Equipment (e.g. HDD)	_____	Soft-ver.:	_____

Dream - contact data

contacted person:	_____
communication by../at..)	_____

Description of mistake / order (please in detailed form and clear letters):

An execution of your order can only be effected with detailed description of the mistake - statement "defect" is not clear enough - in this case we will return box without repairing

reason of return:

☐	guarantee repair	☐	other:
☐	fee required repair	☐	power supply modification
☐	display modification (not free of charge)		(free of charge)

desired display-colour: __: blue __: green __: white __: amber __: only clear display window

By my signature I declare that I agree to repairs up to 30,- € without any consultation with Dream-Multimedia-TV.
This order will not be effected without signature.

Place/Date/Signature

Notice: Please pack the unit in a plastic-bag or foil. Please use original packing, if it doesn't exist anymore use a thick padded box - so scratches on display and box are avoided. Thank you very much.